ABUS
Security Tech Germany

Video & Alarm Catalogue 2010

Analogue cameras
Network cameras
Digital recorders
Video management software
Wireless alarm systems
Cabled & hybrid alarm systems
Smoke detectors
Accessories

ABUS - The good feeling of security

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MARKEN DES JAHRHUNDERTS
ABUS
Security Tech Germany
DEUTSCHE STANDARDS 2010
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When it comes to your security, you should leave nothing to chance.

We are living in insecure times – all over the world. Many situations – both global and local – threaten stability, balance and quality of life. Therefore, the need for personal security is greater than ever. When it comes to protection of life and valuables, the ABUS Group helps to make the world a more secure place in many areas of life - with high-quality branded products and customer-focused service, mechanical and electronic security solutions, intelligent technology and continuous innovation.

ABUS, the mark of quality in security for over 85 years.

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FAQ video surveillance

Am I actually allowed to use surveillance on my company's premises?

One of the main tasks of modern video surveillance systems is to be informed about what is going on in a company. However, surveillance is subject to strict regulations that vary throughout the country. Please contact the data protection representative for your region for further information. You should always make people aware of surveillance being in use. Toilets as well as dressing rooms and break rooms are to be excluded from surveillance.

I have already installed video surveillance. Can I continue to use my old equipment?

Modern video surveillance is able to integrate both, your existing analogue cameras and new digital network cameras. This is a cost efficient solution to expand your system without having to replace or take down your existing system. The result is a future-proof "hybrid system"

Where can I install a video camera?

In principle, anywhere you consider it necessary. Modern systems are extremely flexible and can be configured and controlled individually. With weather-proof housings and integrated heating, exterior systems are also no problem. We recommend that the cameras be installed at sufficient height to prevent unauthorised access. If this is not possible, vandal-proof dome cameras with a robust, impact-proof housing can be used.

Can I use the camera at night or in the dark too?

Good video cameras switch over from colour to black & white mode automatically. As soon as the light intensity falls below a defined level, the camera switches over automatically and can therefore be used in the dark too. Some cameras can also be used in conjunction with infrared light. An infrared lamp emits light that is invisible to the human eye but allows the camera to deliver good images even in total darkness.

Can I also record the video material and for how long?

Images from analogue cameras and network cameras can be connected to a system and simultaneously viewed, played back, recorded and fed into the network. The available recording time depends on image quality, numbers of cameras installed and the size of the hard disk in use.

What does "UVV Kassen" certification mean?

Certification by "UVV Kassen" qualifies the camera for use in banks and jewellers'. Only cameras that guarantee high image quality are awarded this certificate.

What can I do to counter theft?

Unfortunately, theft of company property is still regarded as a minor offence. Yet companies often suffer substantial losses as a result. Shoplifting or material damage are also often on the agenda. With video surveillance you can take the wind out of the thieves' sails because nobody likes to be caught "in flagrante".

How can I secure the cash register in my shop professionally?

The cashier's desk in a shop is a very sensitive area and a general focus for security. You can not only analyze video images but also data and transactional information.

Can I also see what is going on at home or in my business while I am out and about?

Modern video surveillance systems allow you to hear and view audio and video streams online from anywhere in the world. A browser gives you access to your camera images at all times so you can be almost "on site" even when you are away. You can even view what is going on right now using your mobile phone.

The dealer can tailor an effective and efficient solution for you depending on your exact requirements such as budget, location and circumstances (light etc.)

FAQ alarm technology

Alarm systems are expensive and complicated to fit. Can I actually afford an alarm system?

ABUS alarm systems are more affordable than you might think. Cabled alarm systems are particularly cost-effective. You should therefore think about security from the very beginning when planning a new house or building. Wireless alarm systems are also quite affordable. The good feeling of security is priceless and psychological as well as material damages by far outweigh the investment in a reliable alarm system.

I already have good mechanical security. Do I still need an alarm system?

The ideal solution is the combination of mechanical and electronic security. Alarm systems deter would-be intruders and alert residents, neighbors and/or emergency call control centers about threats and events. By combining mechanical and electronic systems, you can ensure that intruders are discovered before they can actually enter the building. That is seamless security that effectively fights would-be intruders.

Can I still move about my home freely with an alarm system?

Simple controls and individual settings allow for maximum comfort. Modern alarm systems pose no restrictions as to the use of your home. With an internally activated system the “outer skin” of your home is secured while you can move around on the inside. Glass breakage detectors are available for glass areas and doors and windows are secured with opening sensors. Shock sensors can be installed at other sensitive points.

What is the difference between silent and internal or external alarms and which is required in which situation?

A silent alarm, a phone call with a voice message triggers to one or more pre-defined telephone numbers. These may be your neighbour, your own mobile phone or an emergency call control centre. Internal alarms only sound indoors. They put the intruder under stress with the goal of driving him away. External alarms sound outdoors via a siren in order to guide the police to the premises and to alert the neighbours. However, the siren may only sound for three minutes for noise abatement reasons, although the flashing light can continue without limit. The type of alarm that is suitable for you depends on the location of the property and your own requirements.

I live in a rented accommodation and am not allowed to run cables inside walls. Do I have to abandon the idea of an alarm system?

Certainly not. In this situation, wireless alarm systems are the solution of choice. These alarm systems receive signals from the sensors via radio so no cables need to be run and no holes need to be drilled in the walls. This guarantees fast and, above all, clean fitting. There is no need to pass up the good feeling of security in rented accommodations. Moreover, you can simply take the alarm system with you when you move.

Is an wireless alarm system still secure?

Modern wireless alarm system use various methods that make it tamper proof. They transmit on a frequency that is specially reserved for security systems which practically precludes interference from other wireless applications. The signals are also encrypted multiple times.

What is the benefit of cabled alarm systems?

Signal transmission over cables is the most secure form of transmission. The control unit and components are also cost-effective.

Which is the right system for me?

Please ask your dealer for detailed information and advice.

It is advisable to make an appointment with your dealer on site. This allows for detailed assessment of the location and conditions. He can work out the best solution for you.

ABUS SC product lines

eyseo.ip®
NETWORK CAMERAS

eyseo.®
ANALOGUE CAMERAS

eytron.®
DIGITAL RECORDERS

secvest.®
WIRELESS ALARM SYSTEM

privest.®
WIRELESS ALARM SYSTEM

terxon.®
WIRED & HYBRID ALARM SYSTEM

HOME ALARM & HOME COMFORT

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ABUS SC product lines

A completely new range of network cameras for every need from a VGA entry-level model to a professional camera with a resolution of 2.0 megapixels.

- Cost-effective entry into network technology with compact cameras
- 24-hour use through IR illumination and day/night function
- Resolution of up to 2.0 megapixels with ePTZ function
- Latest VMS Express recorder software for fast, simple installation

From page 8

eyseo ip

The Eyseo model range leaves nothing to be desired in analogue surveillance cameras. There is a camera for every surveillance situation.

- Wide variety of designs: PCB cameras, waterproof compact cameras, dome cameras, standard cameras, mini cameras, concealed cameras and many more.
- Various chip solutions for optimum adaptation to the surveillance situation
- Wide range of accessories with new monitors and signal transmission solutions

From page 20

eyseo

This product group represents perfection in reliable and efficient video recording, regardless of the size of your system

- New: completely re-designed range of stand-alone recorders
- HDVR and NVR video surveillance recorder systems to meet the highest demands
- New: practical and effective all-in-one recorder with integral monitor
- Mobile recorder systems for concealed, flexible or short-term use indoors or outdoors

From page 72

eytron

The VdS Home certified Secvest 2WAY system is exciting the market with an innovation: mechatronic, preventive intruder protection that triggers the alarm at the very first attempt.

- New: Secvest 2WAY now with VdS Home certification
- FTS 96 E RF window lock for active intruder protection
- Secvest Key 2WAY - the most convenient of all arming methods
- Bi-directional radio technology for status display on the control components

From page 100

secvest

The Privest RF alarm system represents excellent value for money. The system is also extremely simple to install, making it ideal for DIY.

- Test winner in the ETM Testmagazin comparison of low-cost RF alarm systems
- Modern AM radio technology for excellent range
- Protection against all sorts of hazards such as intrusion, fire and water damage
- Supplied with installation DVD for simply DIY installation and programming

From page 116

privest

Compatible and flexible. The Terxon series cabled and hybrid alarm systems are the custom security solution for the home, office buildings or larger properties.

- Terxon SX for apartments and houses
- Terxon MX hybrid alarm system for houses and medium-sized commercial properties
- Terxon LX hybrid alarm system for larger properties
- Comprehensive range of sensors and modules for every conceivable use

From page 124

terxon

Security technology is worthwhile even on a small scale. Our new hazard alarms meet every need for fast, cost-effective yet reliable solutions.

- Smoke alarms that save lives. Stand-alone or connected in an RF network.
- New: the improved ABUS water sensor protects against costly water damage
- HomeTec system for convenient radio-controlled door opening

From page 150

home security

eyseo.ip®
NETWORK CAMERAS

Closed Circuit Television becomes World Wide Television - in high definition! Use the advantages of network-based video surveillance with our completely new range of network cameras.

Eyseo IP Network Compact Cameras

Cost-effective entry into megapixel video surveillance

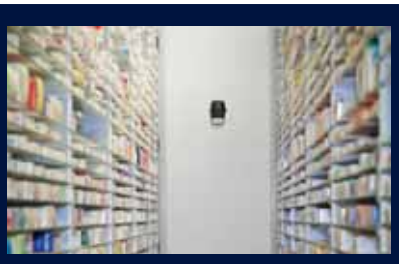
- Resolution up to 1.3 megapixels
- Day/Night function with IR LEDs
- H.264 compression for storage and bandwidth optimization
- Integration into Windows Messenger
- Recording starts when motion is detected and, as a new feature, also when noises are detected
- Privacy masking
- 2-way audio function
- Available with LAN and WLAN (802.11 b/g)
- Mobile image reception via RTSP (RTSP-enabled mobile phone with Real Player or Core Player)
- Includes free 9-channel video management software VMS Express for quick installation

Viewed from underneath:
12 V DC power supply,
audio out, Ethernet connection

From the competitive entry-level network camera to the day/night surveillance camera with 1.3 megapixel resolution. The new range of compact network cameras leaves nothing to be desired. All models share competitive pricing at optimal quality and include the free video management software.

eyseo.ip®

In darkness, the day/night network cameras switch to the more light sensitive B/W mode and activate the 6 integrated infrared LEDs. With a range of 5 meters, you don´t miss anything - even at night.



The integrated wide-angle lens provides surveillance coverage of up to 52.6°. Thus, you can easily monitor two rows of shelves with only one camera. With 10x digital zoom, you can have a closer look at individual objects or persons.

See more with high definition. At the same image dimensions, MPx cameras provide more detail and allow you to easily identify persons. The identification range doubles from three meters to six meters compared to VGA cameras.

Eyseo IP Network Compact Cameras

	Network Compact Cameras	Megapixel Network Compact Cameras	IR Network Compact Cameras	IR Megapixel Compact Cameras
Article number	TVIP10000, TVIP10050	TVIP11000, TVIP11050	TVIP10500, TVIP10550	TVIP11500, TVIP11550
Product features	• Resolution 640 x 480 px • Dual Stream • RTSP protocol for mobile access (3GPP) • Built-in motion sensors • Privacy masking	• Resolution: 1.3 MPx • Quad stream • RTSP protocol for mobile access (3GPP) • Built-in motion and noise sensors • Privacy masking	• Resolution 640 x 480 px • Dual Stream • 6 integrated IR LEDs for day/night function • RTSP protocol for mobile access (3GPP) • Built-in motion sensors • Privacy masking	• Resolution: 1.3 MPx • Quad stream • 6 integrated IR LEDs for day/night function • RTSP protocol for mobile access (3GPP) • Built-in motion and noise sensors • Privacy masking
Scope of delivery	Camera, 12 V power supply, 1 m network cable, wall mounting bracket incl. fasteners, installation CD, quickstart manual, VMS Express			
Optional accessories	Video management software VMS Basic, Professional, Enterprise (p. 19), additional IR illuminators (day/night versions only; p. 54-55)			
Image sensor	1/4“ Progressive Scan CMOS Sensor Color			
Day/Night function	-	-	Mechanically removable IR cut filter, 6 integrated IR LEDs, range 5 m	
Resolutions	640 x 480, 320 x 480, 160 x 160	1280 x 1024, 1280 x 720, 640 x 480, 320 x 480, 160 x 160	640 x 480, 320 x 480, 160 x 160	1280 x 1024, 1280 x 720, 640 x 480, 320 x 480, 160 x 160
Network	RJ-45 Ethernet 10/100 Base-T; RJ-45 Ethernet 10/100 Base-T, IEEE 802.11 b/g	RJ-45 Ethernet 10/100 Base-T; RJ-45 Ethernet 10/100 Base-T, IEEE 802.11 b/g	RJ-45 Ethernet 10/100 Base-T; RJ-45 Ethernet 10/100 Base-T, IEEE 802.11 b/g	RJ-45 Ethernet 10/100 Base-T; RJ-45 Ethernet 10/100 Base-T, IEEE 802.11 b/g
Lens	F 2.0, 4.0 mm, horizontal angle of view 52.6°	F1.5, 4.0 mm, horizontal angle of view 48.1°	F2.0, 4.3 mm, horizontal angle of view: 49.4°	F1.5, 4.0 mm, horizontal angle of view 48.1°
Digital zoom	10x	10x	10x	10x
Minimum illumination	color: 0.5 lux		color: 0.5 lux, 0 lux with IR LEDs	
Image compression	MJPEG, MPEG-4	MJPEG, MPEG-4, H.264	MJPEG, MPEG-4	MJPEG, MPEG-4, H.264
Image rates	25 fps @ 640 x 480	15 fps @ 1280 x 1024, 25 fps @ 640 x 480	25 fps @ 640 x 480	15 fps @ 1280 x 1024, 25 fps @ 640 x 480
Parallel streams	2 (MJPEG, MPEG-4)	4 (MJPEG, MPEG-4, H.264, 3GP)	2 (MJPEG, MPEG-4)	4 (MJPEG, MPEG-4, H.264, 3GP)
Image correction	ELC, AWB, AGC	ELC, AWB, AGC, BLC	ELC, AWB, AGC	ELC, AWB, AGC, BLC
Motion sensor	3 zones	3 zones	3 zones	3 zones
Image overlay	Date, camera name, privacy zones			
Audio	Audio output (Speaker Out), 2-way audio, integrated microphone			
Alarm	Email / FTP / HTTP	Email, FTP, HTTP, NAS	Email / FTP / HTTP	Email, FTP, HTTP, NAS
Browser / Software	Internet Explorer 6 or higher, Safari, Mozilla Firefox 3 / ABUS VMS, MSN Messenger			
Protocols	Bonjour, TCP/IP, DHCP, PPPoE, ARP, ICMP, FTP, SMTP, DNS, NTP, UPnP, RTSP, RTP, HTTP, TCP, UDP, 3GPP/ISMA RTSP			
Security	Encryption: HTTPS SSLv3, for WLAN cameras: WEP 64/128 bit, WPA/WPA2-PSK; Access protection: IP address filter, username, password, 3 authorization levels,			
Power supply	12 V DC			
Dimensions (W x H x D):	64.5 x 117.6 x 41.4 mm			

Network	LAN	LAN/WLAN	LAN	LAN/WLAN	LAN	LAN/WLAN	LAN	LAN/WLAN
Article number	TVIP10000	TVIP10050	TVIP11000	TVIP11050	TVIP10500	TVIP10550	TVIP11500	TVIP11550

Eyseo IP Pan/Tilt Network cameras

Controllable video surveillance - now also in high definition!

- Worldwide access for image retrieval and control
- Resolution up to 1.3 megapixels
- Available as day/night version including IR LEDs
- Available with LAN and WLAN IEEE 802.11 b/g
- Motion-controlled recording
- Alarm input, switching output
- Mobile image retrieval via RTSP (RTSP-enabled mobile phone with Real Player or Core Player required)
- Define 32 preset positions, 4 tours
- Easy access via Windows Messenger

Network-controlled video surveillance has never been more efficient. With IR illumination and the optional outdoor housing (IR illumination and outdoor housing cannot be combined), the cameras can be used anywhere and anytime. With up to 1.3 megapixels, you get even sharper surveillance images with high detail – almost in real time!

eyseo.ip®

The recordings are compressed either using the highly efficient H.264 format, MPEG-4 or MJPEG. Exclusively for megapixel cameras: Quad stream for output of 4 parallel live streams via the Internet or to mobile devices (RTSP) at optimum quality and image rate for different bandwidths.

With the optional outdoor housing, the pan/tilt network cameras can be used in any wind and weather. The housing also protects the sensitive electronics against dirt or vandalism. Possible applications are underground parking garages, warehouses, or production facilities.

Due to adjustable preset positions and four programmable "guard tours" , you can monitor a whole room with only one camera without having to manually control the camera. When needed, you can switch to manual control at any time.

Eyseo IP Pan/Tilt Network cameras

	Pan/Tilt Network Camera	Pan/Tilt Megapixel Network Camera	IR Pan/Tilt Network Camera	IR Pan/Tilt Megapixel Network Camera
Article number	**TVIP20000, TVIP20050**	**TVIP21000, TVIP21050**	**TVIP20500, TVIP20550**	**TVIP21500, TVIP21550**
Product features	• Resolution 640 x 480 pixels • Dual Stream • Built-in motion sensors • Alarm input, switching output	• Resolution 1.3 MPx • Quad stream • Built-in motion and noise sensors • Video data saved to network drives (NAS) • Alarm input, switching output	• Resolution 640 x 480 pixels • Dual Stream • 12 integrated IR LEDs for day/night function • Built-in motion sensors • Alarm input, switching output	• Resolution 1.3 MPx • Quad stream • 12 integrated IR LEDs for day/night function • Built-in motion and noise sensors • Video data saved to network drives (NAS) • Alarm input, switching output
Scope of delivery	Camera, 12 V power supply, 1 m network cable, wall mounting bracket incl. fasteners, installation CD, quickstart manual, VMS Express			
Optional accessories	Outdoor housing (not applicable with IR illumination, p. 17), additional IR illumination (p. 54-55), VMS (S. 19)			

Image sensor	1/4“ Progressive Scan CMOS Sensor Color			
Day/Night function	-	-	Mechanically removable IR cut filter, 12 IR LEDs, range 10 m	
Resolutions	640 x 480, 320 x 480, 160 x 160	1280 x 1024, 1280 x 720, 640 x 480, 320 x 480, 160 x 160	640 x 480, 320 x 480, 160 x 160	1280 x 1024, 1280 x 720, 640 x 480, 320 x 480, 160 x 160
Lens	F 2.0, 4.0 mm, horizontal angle of view: 52.6°	F 1.5, 4.0 mm, horizontal angle of view: 48.1°	F 2.0, 4.3 mm, horizontal angle of view: 49.4°	F 1.5, 4.0 mm, horizontal angle of view: 48.1°
Digital zoom	10x	10x	10x	10x
Minimum illumination	color: 0.5 lux	color: 0.5 lux	color: 0.5 lux, 0 lux with IR	color: 0.5 lux, 0 lux with IR
Image compression	MJPEG, MPEG-4, 2 parallel streams	MJPEG, MPEG-4 , 4 parallel streams: MJPEG, MPEG-4, H.264, 3GP	MJPEG, MPEG-4, 2 parallel streams	MJPEG, MPEG-4 , 4 parallel streams: MJPEG, MPEG-4, H.264, 3GP
Image rates	25 fps @ 640 x 480	15 fps @ 1280 x 1024, 25 fps @ 640 x 480	25 fps @ 640 x 480	15 fps @ 1280 x 1024, 25 fps @ 640 x 480
Image correction	ELC, AWB, AGC	ELC, AWB, AGC, BLC	ELC, AWB, AGC	ELC, AWB, AGC, BLC
Audio	Audio output (Speaker Out), audio input, 2-way audio; integrated microphone			
Alarm	Email, FTP, HTTP-notification, switching output	Email, FTP, HTTP notification, switching output, NAS	Email / FTP/ HTTP notification / switching output	Email, FTP, HTTP notification, switching output, NAS
Browser / Software	Supported browsers: Internet Explorer 6 or higher, Safari, Mozilla Firefox / Software: ABUS VMS, MSN Messenger			
Protocols	Bonjour, TCP/IP, DHCP, PPPoE, ARP, ICMP, FTP, SMTP, DNS, NTP, UPnP, RTSP, RTP, HTTP, TCP, UDP, 3GPP/ISMA RTSP			
PT function	Pan/tilt range: 354°/125°; max. speed: 60° per second / 80° per second			
Presets / tours	32 preset positions, 4 tours with 8 positions each			
Security	Encryption: HTTPS SSLv3, for WLAN cameras: WEP 64/128 bit, WPA/WPA2-PSK; Access protection: IP address filter, username, password, 3 authorization levels			
Power supply	12 V DC			
Dimensions (W x H x D):	112 x 114 x 114 mm			

Network	LAN	LAN/WLAN	LAN	LAN/WLAN	LAN	LAN/WLAN	LAN	LAN/WLAN
Article number	**TVIP20000**	**TVIP20050**	**TVIP21000**	**TVIP21050**	**TVIP20500**	**TVIP20550**	**TVIP21500**	**TVIP21550**

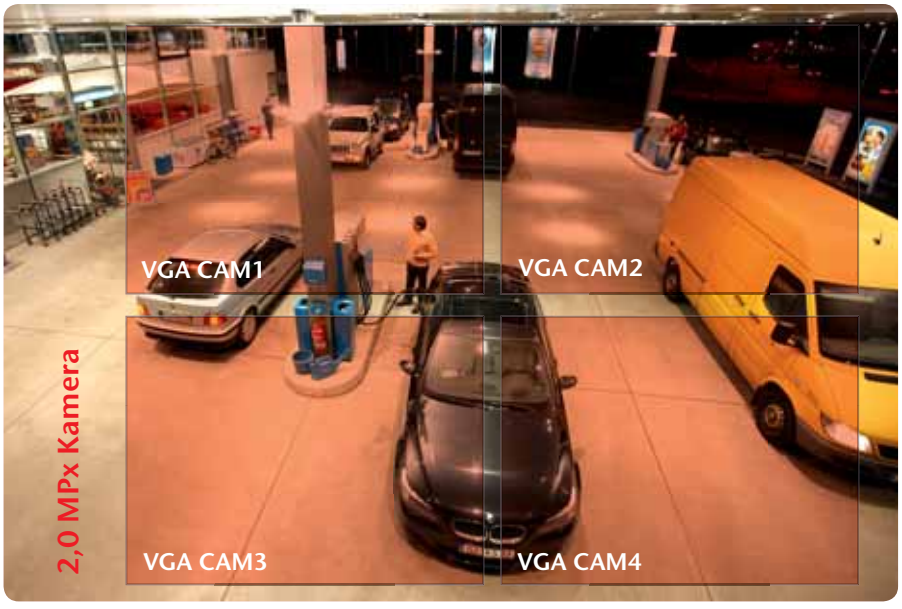
Eyseo IP Day/Night Megapixel Network Cameras

**See more, recognize more -
2.0 Megapixels make it possible**

- High detail resolution with up to 2.0 Megapixels
- One camera replaces more than four standard VGA cameras
- ePTZ function for simulation of a pan/tilt/zoom system without movable parts and/or for bandwidth optimization
- Day/Night function
- Quad stream with MJPEG/MPEG-4 compression
- SD card slot for either redundant storage or standalone recording without PC
- Power-over-Ethernet
- Switch and audio inputs/outputs

From professionals for professionals. You see more details due to the uncompromisingly high image quality combined with a range of innovative features. Detailed images with a resolution of up to 2.0 Megapixels, integrated SD card slot and quad stream technology: With these cameras you are on the safe side.

eyseo.ip®



Highest image quality and resolution for your professional surveillance: You don´t miss any detail even over large distances! The range (recognition/identification) at 2 million pixels (1600 x 1200) increases four-fold/two-fold and the surveillance area increases to 400 % compared to VGA resolution (8 mm lens: Face identification to a distance of up to 16 m!).

Thus, you can replace more than four standard VGA cameras with one 2.0 Megapixel camera.

Eyseo IP Day/Night Megapixel Network Cameras

	Day/Night 1.3 Megapixel Network Camera	Day/Night 1.3 Megapixel WLAN Network Camera	Day/Night 2.0 Megapixel Network Camera
Article number	**TVIP51500**	**TVIP51550**	**TVIP52500**
	Lens not included	Lens not included	Lens not included
Product features	• 1/4“ Progressive Scan CMOS Sensor • Resolution 1.3 Megapixel • Quad stream • Motion and sound sensors • Video data saved to SD card or network drive • Integrated playback function • RTSP for mobile access (3GPP)	• 1/4“ Progressive Scan CMOS Sensor • Resolution 1.3 Megapixel • Quad stream • Motion and sound sensors • Video data saved to SD card or network drive • Integrated playback function • RTSP for mobile access (3GPP)	• 1/3.2“ Progressive Scan CMOS Sensor • Resolution 2.0 Megapixel • Quad stream • Motion sensor • Video data saved to SD card or network drive • Integrated playback function • Integrated tamper detection • RTSP for mobile access (3GPP) • PoE and ePTZ function
Scope of delivery	Network camera, 12 V power supply, 1 m network cable, wall mounting bracket including fasteners, installation CD, quickstart manual, ABUS VMS Express software		Network camera, 12 V power supply (international), wall mounting bracket including fasteners, installation CD, quickstart manual, ABUS VMS Express software
Required accessories	Megapixel lenses (p. 16)		
Optional accessories	Camera mount, outdoor housing (p. 56-59), power supplies (p. 70), IR illuminators (p. 54-55), network cables (p. 17)		

Image sensor	1/4“ Progressive Scan CMOS Sensor		1/3.2“ Progressive Scan CMOS Sensor
Day/Night function	Mechanically removable IR cut filter		Mechanically removable IR cut filter
Resolutions	1280 x 1024, 1280 x 720, 640 x 480, 320 x 480, 160 x 160		176 x 144 - 1600 x 1200 (intermediate steps freely adjustable)
Lens	without lens: CS mount for lens, DC connector		without lens: CS mount for lens, DC connector
Motion detection	3-zone motion detection		3-zone motion detection
Minimum lighting	color: 0.5 lux, with IR light: 0 lux		color: 0.8 lux, with IR: 0 lux
Image compression	MJPEG, MPEG-4, H.264; 4 parallel streams (MJPEG, MPEG-4, H.264, 3GP)		MJPEG, MPEG-4, 4 parallel streams
Image rates	15 fps @ 1280 x 1024, 25 fps@ 640 x 480		25 fps @ 800 x 600, 15 fps @ 1600 x 1200
Image correction	ELC(1 ~ 1/7780 seconds), AWB, BLC, amplifier regulation 0-9 dB		ELC (1/5 - 1/40,000 s), AWB, BLC,
Audio	Audio output (Speaker Out), audio input, 2-way audio microphone: Integrated		
Alarm	Email/FTP/HTTP notification / switching output / network disk drive / SD card; pre- and postalarm recording; 1 alarm input (NO/NC)		
Browser / Software	Supported browsers: Mozilla Firefox or Internet Explorer 6.x and higher / software: ABUS VMS, Windows MSN (except TVIP52500)		
Protocols	TCP/IP, DHCP, PPPoE, ARP, ICMP, FTP, SMTP, DNS, NTP, UPnP, RTSP, RTP, HTTP, TCP, UDP, 3GPP/ISMA RTSP, IPv6, SNMP, QoS		
PTZ function	10x digital zoom	10x digital zoom	ePTZ
Security	Encryption: HTTPS SSLv3 access protection: IP address filter, username, password, 3 authorization levels	Encryption: HTTPS SSLv3, WEP 64/128 bit, WPA/WPA2-PSKAccess protection: IP address filter, username, password, 3 authorization levels	Encryption: HTTPS SSLv3 access protection: IP address filter, username, password, 3 authorization levels
Power supply	12 V DC , PoE IEEE 802.3 af	12 V DC	12 V DC , PoE IEEE 802.3 af
Dimensions (W x H x D):	68.91 x 58.5 x 121.3 mm		76 x 60 x 162 mm

Network	**LAN**	**LAN + WLAN**	**LAN**
Article number	**TVIP51500**	**TVIP51550**	**TVIP52500**

Eyseo IP megapixel lenses, video server

Perfectly capture all details without compromises! With this lens you capture events in very expansive surveillance areas in full width and excellent detail. The lens is a crucial component for the professional application of the 2.0 Megapixel cameras (TVIP52500) in the most demanding surveillance scenarios. It is essential for completely exhausting the possibilities of megapixel technology. It regulates how light enters the camera's image sensor and ensures optimal light exposure of the images.

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	1/3" IR Vario Megapixel Lens 2.8 - 12 mm	1/3" IR Vario Megapixel Lens 3 - 8 mm
Article number	**TVAC65000**	**TVAC65500**
Product features	• Suitable for megapixel cameras • IR-compatible • Aspherically ground • CS thread	• Ideal for 2.0 Megapixel cameras • IR-compatible • Optimized edge sharpness • Aspherically ground • CS thread
Scope of delivery	Lens	Lens
Focal length	2.8 - 12 mm	3 - 8 mm
Horizontal angle of view	24°-102° at 1/3" image sensor, 18° - 74° at 1/4" image sensor	35° - 91° at 1/3" image sensor, 26° - 68° at 1/4" image sensor
Aperture	F1.3	F1.2
Iris	Auto-Iris	Auto-Iris
Article number	**TVAC65000**	**TVAC65500**

Bring analog video data into the network! This allows you to combine the advantages of analog camera technology with worldwide availability. Due to the dual stream function, the image data can be transmitted in high resolution as MPEG-4 or MJPEG stream for recording and at the same time as RTSP to mobile phones.

	Dual stream video server
Article number	**TV7206**
Resolution	Max. 704 x 576 Pixels
Image compression	MPEG-4, MJPEG
Refresh rate	Max. 25 images/s
Connections	10 baseT, 100 baseT-Ethernet (RJ45)
Protocols	TCP/IP, HTTP, SMTP, FTP, DDNS, UPnP, Telnet, NTP, DNS, DHCP, RTSP
Supported browsers	Internet Explorer 5, Mozilla Firefox 2
RAM	32 MB SDRAM
ROM	8 MB Flash ROM
System requirements	Microsoft Windows 2000/XP/ Vista, Windows 7
Power supply	Input: 100-240 V AC, 50/60Hz/ 0.5 A, output: 12 V DC /1.5A
Dimensions (W x H x D)	205 x 65 x 260 mm
Scope of delivery	Video server, power supply, VMS Express software, mount

- Integration of analog cameras into IP networks
- Has its own IP address (freely selectable)
- Password protected
- Controlling PTZ domes possible
- Supports all popular protocols
- Privacy masking

Article number	**TV7206**

Eyseo IP outdoor housing, cable

	Wireless Outdoor Housing	Outdoor housing for network Pan/Tilt Cameras
Article number	**TV5730**	**TVAC70000, TVAC70050**
		Wall bracket not included
Product features	• For WLAN-based video surveillance outdoors • Frequency: 2.4 GHz • Protection class IP68 • Long range • Integrated heating for clear view at all times	• Suitable for Eyseo IP pan/tilt network cameras • 12 V DC Heating • Protection class IP66 • Not suitable for use with activated IR light • Dimensions (H x D): 160 x 165 mm
Scope of delivery	Outdoor housing, antenna, cable, camera mount, 12 V DC / 1 A internal power supply	Outdoor housing; accessories: Wall bracket TV7613, pole mount bracket TV7610 (p. 48)

Type		LAN	WLAN
Article number	**TV5730**	**TVAC70000**	**TVAC70050**

	CAT 5 cable
Article number	**TVAC40800, TVAC40810, TVAC40820, TVAC40830, TVAC40840, TVAC40850**
Product features	• For connecting network cameras to routers or PCs • RJ45 connector with bent protection sleeve • For use in multimedia networks and phone systems • Suitable for use with ABUS network cameras • Connections: 8-pin RJ45 • Insulation HDPE, insulation resistance ≤5000 MΩ/KM • Outer diameter: 5.2 mm
Scope of delivery	CAT 5 cable, gray

Length	1 m	2 m	3 m	5 m	10 m	20 m
Article number	**TVAC40800**	**TVAC40810**	**TVAC40820**	**TVAC40830**	**TVAC40840**	**TVAC40850**

Optional accessories:

Upgrade for 2009 Outodoor housing

- Inlay for installation of the 2010 camera into the 2009 outdoor housing

Article number: **TVAC70100**

Omnidirectional antenna 6 dB

- External antenna for WLAN outdoor housing
- Frequency: 2.4 GHz
- Protection class IP65
- Antenna gain up to 6 dBi
- Opening angle: 30° vertical, 360° horizontal

Article number: **TV5735**

Antenna cable

- Suitable for TV5735
- Weatherproof material
- Insertion loss: 1 dB
- Adjustable antenna
- Length: 1 m

Article number: **TV5740**

Optional accessories:

IP crimping tool

- Crimping tool for CAT 5 cable
- Suitable for RJ45 connectors

Article number: **TVAC40880**

RJ45 connector

- Suitable for CAT 5 cable
- Scope of delivery: RJ45 connector, bend protection sleeve

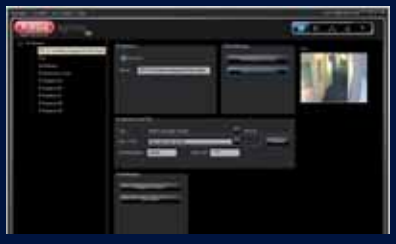
Article number: **TVAC40890**

VMS Express Video Management Software

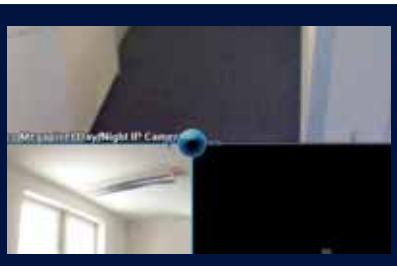
System setup within a few minutes: VMS Express

- Quick installation
- Step-by-step installation wizard
- Automatic setup of IP cameras with password, recording and PTZ function
- Voice output for important system messages
- For 9 Eyseo IP cameras
- Slim, clearly structured menu
- Simplified system configuration and user management
- Supports Windows XP, Windows Vista, and Windows 7

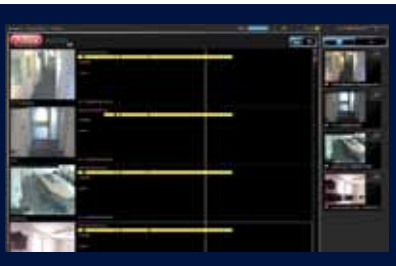
The new VMS Express video management software provides a setup wizard that quickly guides the installer through the easy installation: Up to nine network cameras are automatically set up with password, recording configuration, and PTZ function. In addition, VMS Express can also be used as a monitor station for exclusive network access to a recording station. Important system messages can be presented to the user via voice output.



No more lengthy system configurations via painful menus. With VMS Express, a full network video surveillance system is set up and ready to go within a few minutes - without giving up on important functions!



Almost all VMS functions are controlled with the mouse. The video puck allows you to smoothly change the display (full screen, overview, etc.) with only one mouse movement. The channels in the slide preview (right margin) are simply pulled into the live windows via drag&drop.



Recordings are searchable according to criteria such as calendar, time of day, camera, detector, etc., which saves manual search time. Recordings are displayed as bands that are color-coded according to motion, schedule, duration, etc. Display periods are configurable.

VMS Video Management Software

Video Management Software VMS Express, Basic, Professional and Enterprise

NEW

Name	VMS Express	VMS Basic	VMS Professional	VMS Enterprise
Total channels	9	16	16	64
Network camera protocols	ABUS	ABUS	ABUS, Axis, Mobotix, ACTi, Arecont, Panasonic, RTSP, and many more	ABUS, Axis, Mobotix, ACTi, Arecont, Panasonic, RTSP, and many more
Remote access via browser / PDA	-	max. 1 user	max. 3 user	max. 10 user
Remote access to additional systems	max. 1 system	max. 1 system	max. 3 systems in parallel	unlimited
UVV-Kassen mode	-	-	Yes	Yes
Multi-Monitoring	1 monitor	1 monitor	max. 2 monitors	max. 4 monitors
USB dongle	-	Yes	Yes	Yes
PoS integration	-	-	max. 2	max. 8
Security functions (cover, defocus, twist protection)	-	-	Yes	Yes
Article number	**--**	**TV3220**	**TV3200**	**TV3210**

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ANALOGUE CCTV CAMERAS

The new generation of analogue camera systems is the right choice for every application. You will be convinced by the intelligent and innovative video technology, the modern design and the dependable ABUS quality - for the good feeling of security in every situation.

Ausfahrt West

Eyseo Standard Cameras

The new standard for economic video surveillance

- Compact design
- Excellent price and quality
- High color fidelity
- Easy configuration via DIP switches
- Low power consumption
- WDR function for backlight situations (only TVCC20040/540)

The Eyseo Standard cameras offer different features at the best price-performance ratio. These entry level cameras deliver images with up to 520 TV lines and very high color fidelity (True Color). The image sensor's high light sensitivity provides good image quality. All types of the series feature AWB (Automatic White Balance), ELC (Electric Light Control), BLC (Back Light Compensation) and AGC (Automatic Gain Control) for image optimization under difficult light conditions.

reddot design award
winner 2010

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With a length of just about 9 cm, the Eyseo Standard cameras are barely bigger than a box of cigarettes. The compact size allows effective, unobtrusive surveillance with modest but appealing design.

Backlight through the door or strong artificial light sources complicate the use of cameras especially in retail environments. Even with its entry model, ABUS offers effective WDR technology which improves the display of scenes with strong light contrasts.

The right settings for every surveillance situation! Due to DIP switches and the adjustment possibilities for D/N level and iris, the cameras can be adapted perfectly to specific requirements - quick and easy, without complicated menus.

Eyseo Standard Cameras

	380 TVL Standard Camera	480 TVL Standard Camera	520 TVL Standard Camera	Day/Night 520 TVL Camera	WDR 480 TVL Camera
Article number	TVCC20000	TVCC20010 / 510	TVCC20020 / 520	TVCC20030 / 530	TVCC20040 / 540
	reddot design award winner 2010 NEW Lens not included	reddot design award winner 2010 NEW Lens not included	reddot design award winner 2010 NEW Lens not included	reddot design award winner 2010 NEW Lens not included	reddot design award winner 2010 NEW Lens not included
Product features	• Inexpensive all-round color camera • Suitable for CS/C vario lenses • Image optimization with DSP technology • Easy settings via DIP switches and potentiometers	• High-resolution color cameras with 480 TV lines • Suitable for CS/C vario lenses • Image optimization with DSP technology • Simple parameter settings	• High-resolution True-Color cameras with 520 TV lines • Suitable for CS/C vario lenses • Image optimization with DSP technology • Simple settings	• Day/night cameras with electrome-chanically removable IR cut filter • 520 TV lines • Image optimization with Sony DSP • Easy settings via DIP switches	• Entry-level cameras for difficult back-light conditions • 480 TV lines • CMOS Image sensor and DSP • Suitable for CS/C vario lenses • Simple settings
Scope of delivery	Camera, C-mount lens adapter ring, base for camera mount with screws, connecting cable for the 12 V power supply (only with 12 V cameras; 110~230 VAC cameras have integrated 230 V AC power supplies), spacer for outdoor housing				
Required accessories	Lens (see p. 27), power supplies (p. 70), video cable (p. 66-67),				
Optional accessories	Outdoor housings (p. 56-58), camera brackets (p. 59), IR illuminators (only TVCC20030/530; p. 54-55)				

Image sensor	1/4“ Sharp CCD	1/3“ Sharp CCD	1/3“ Sony Super HAD CCD	1/3“ Sony Super HAD CCD	1/4“ WDR CMOS, dy-namic range: 70 dB
DSP	Sharp	Nextchip	Nextchip	Nextchip	Omnivision
Resolution	380 TVL	480 TVL	520 TVL	520 TVL	480 TVL
Image elements	Total: 537 (H) x 597(V) Effective: 512 (H) x 582 (V)	Total: 795 (H) x 596(V) Effective: 752 (H) x 582 (V)	Total: 795 (H) x 596(V) Effective: 752 (H) x 582 (V)	Total: 795 (H) x 596(V) Effective: 752 (H) x 582 (V)	Total: 768 (H) x 506(V) Effective: 768 (H) x 492 (V)
Lens socket/control	CS/C, DC/video	CS/C, DC/video	CS/C, DC/video	CS/C, DC/video	CS/C, DC/video
Minimum illumination (color)	0.05 lux @ F1.0, 30 IRE	0.05 lux @ F1.0, 30 IRE	0.01 lux @ F1.0, 30 IRE	0.2 lux, B/W: 0.01 lux @ F1.0, 30 IRE	0.3 lux @ F1.0, 30 IRE
Electronic shutter	AES/AI	AES/AI	AES/AI	AES/AI	AES/AI
White balance	AWB	AWB	AWB	AWB	AWB
Backlight compensation	BLC / Off	BLC / Off	BLC / Off	BLC / Off	BLC / Off
Gain control	Auto	AGC, Off	AGC, Off	AGC, Off	AGC, Off
Signal-to-noise ratio	48 dB	48 dB	48 dB	48 dB	45 dB
Day/night switching	-	-	-	Removable IR cut filter (ICR), color / B/W	-
Connections	FBAS, 1 Vss; 75 ohms (BNC); DC	FBAS, 1 Vss; 75 ohms (BNC); DC	FBAS, 1 Vss; 75 ohms (BNC); DC	FBAS, 1 Vss; 75 ohms (BNC); DC	FBAS, 1 Vss; 75 ohms (BNC); DC
Power consumption	1.6 W	1.5 W	1.5 W	2.3 W	1.2 W
Protection class	IP34	IP34	IP34	IP34	IP34
Dimensions (W x H x D)	55.5 x 40.5 x 99 mm	55.5 x 40.5 x 99 mm	55.5 x 40.5 x 99 mm	55.5 x 40.5 x 99 mm	55.5 x 40.5 x 99 mm

Power supply	12 V DC	12 V DC	110~230 V AC	12 V DC	110~230 V AC	12 V DC	110~230 V AC	12 V DC	110~230 V AC
Article number	TVCC20000	TVCC20010	TVCC20510	TVCC20020	TVCC20520	TVCC20030	TVCC20530	TVCC20040	TVCC20540

Eyseo Day/Night Cameras PROFILINE®

When each pixel counts...

- Pixim technology for optimal image results in every light situation
- Back focus setting
- DNR against image noise
- Excellent light sensitivity
- High color fidelity
- Alarm output with motion detection
- Second video output for easy camera configuration

Each pixel has a story to tell. Therefore, Day/Night cameras of the Profiline Series are available with Pixim image sensors. With these sensors, each individual pixel auto-adjusts to achieve optimal light exposure. For optimal image results in any lighting situation. ABUS is one of Pixim's few technology partners and thus directly involved in the advancement of this chip technology. As a a customer, you profit from this know-how.

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In applications with very variable light conditions (e.g. entrance gates, storage rooms, etc.) it is advisable to use Pixim chip technology. Each pixel is analyzed and optimized individually. The result: Clear images in nearly any light!

The Eyseo DNR day/night cameras stand for clear image results without camera noise. Image interference that can hide details or be misinterpreted as motion by the recorder is removed automatically. The required storage space for digital recording thus decreases by up to 50%.

Optimal for quick, easy installation: Configuration and D/N level settings via easily accessible DIP switches on the back of the camera (TVCC50000/500). Comfortable programming via On-Screen display (TVCC50010/510) and QIS (TVCC50020/520).

Eyseo Day/Night Cameras PROFILINE®

	Day/Night 540 TVL Camera PROFILINE®	DNR Day/Night 540 TVL Camera PROFILINE®	WDR Day/Night 540 TVL Camera PROFILINE®
Article number	TVCC50000 / TVCC50500	TVCC50010 / TVCC50510	TVCC50020 / TVCC50520
Product features	• Camera for applications with different color temperatures (halogen / fluorescent lights) • Increase of spectral sensitivity by about 7 dB compared to Super HAD • Day/night camera with electrome-chanically removable IR cut filter • Increased gain control (SAGC)	• Camera for application under adverse light conditions (low light) • Digital noise suppression (3D DNR) • Day/night camera with electrome-chanically removable IR cut filter • Alarm output for motion • Programming via on-screen menu	• Camera for application with strong contrasts • Newest Pixim image sensors and DSPtechnology • Maximal control of lighting dynamics from 120 dB • OSD programming with QIS function (Quick Installation System)
Scope of delivery	Camera, base for camera mount with screws, connection cable for the 12 V DC power supply and/or the integrated 230 V AC power supply		
Required accessories	Lenses (p. 27), power supplies (p. 70), video cables (p. 66-67)		
Optional accessories	Outdoor housings (p. 56-58), IR illuminators (p. 54-55), camera mounts (p. 59)		

Image sensor	1/3“ Sony Super HAD II CCD	1/3“ Sony Super HAD II CCD	1/3“ Pixim DPS CMOS
DSP	Sony	Hitachi	Pixim
Resolution	540 TVL	540 TVL	540 TVL
Image elements	Total: 795 (H) x 596 (V) Effective: 752 (H) x 582 (V)	Total: 795 (H) x 596 (V) Effective: 752 (H) x 582 (V)	Total: 742 (H) x 552 (V) Effective: 720 (H) x 540 (V)
Lens socket/control	CS/C, DC	CS/C, DC	CS/C, DC
Day/Night-switching:	Removable IR cut filter (ICR), color / B/W	Removable IR cut filter (ICR), color / B/W	Removable IR cut filter (ICR), color / B/W
Minimal illumination	color: 0.08 lux @ F1.0, 30 IRE (AGC) B/W: 0.05 lux @ F1.0, 30 IRE (AGC) IR: 0 lux @ F1.0, 30 IRE (AGC)	color: 0.08 lux @ F1.0, 30 IRE (AGC) B/W: 0.05 lux @ F1.0, 30 IRE (AGC) IR: 0 lux @ F1.0, 30 IRE (AGC)	color: 0.08 lux @ F1.0, 30 IRE (AGC) B/W: 0.05 lux @ F1.0, 30 IRE (AGC) IR: 0 lux @ F1.0, 30 IRE (AGC)
Digital zoom	-	4x	-
DSP functions	-	3D DNR, frame integration 0~64x	frame integration 0~32x
Dynamic range	-	-	120 dB (max.)
Privacy masking	-	8 zones	12 zones
Electronic shutter	AI/AES	AI/AES	AI/AES
White balance	AWB/ATW, 2500~9500K	AWB/ATW, 2856~9600K	AWB/ATW, 2000~11000K
Gain control	AGC: 0~25 dB; SAGC: 0~32 dB	0~30 dB	3 levels
BLC	Yes	Yes	Yes
Signal-to-noise ratio	48 dB	52 dB	50 dB
Connections	2x FBAS, 1 Vss; 75 ohms (BNC); DC/AC	2x FBAS, 1 Vss; 75 ohms (BNC); DC/AC; relay (60 V DC@400 mA)	2x FBAS, 1 Vss; 75 ohms (BNC); DC/AC; relay (60 V DC@400 mA)
Power consumption	3.0 W	4.0 W	4.0 W
Protection class	IP34	IP34	IP34
Dimensions (W x H x D)	68.91 x 58.5 x 121.3 mm	68.91 x 58.5 x 121.3 mm	68.91 x 58.5 x 121.3 mm

Power supply	12 V DC/24 V AC	110~240 V AC	12 V DC/24 V AC	110~240 V AC	12 V DC/24 V AC	110~240 V AC
Article number	TVCC50000	TVCC50500	TVCC50010	TVCC50510	TVCC50020	TVCC50520

Eyseo Lenses

Lenses for any requirement

- Aspherically ground
- Seven different lenses for every surveillance situation
- Wide-angle or telephoto
- IR-compatible

The lens is a crucial camera component. It regulates how light enters the camera's image sensor and ensures optimal image exposure. All lenses have a standardized connection thread. As CS-mount lenses, they comfortably fit on every camera. The aspherical lenses provide images of particularly high quality and prevent fuzziness at the edges. Light entering through the iris is regulated by the auto-iris function of the camera or manually by hand.

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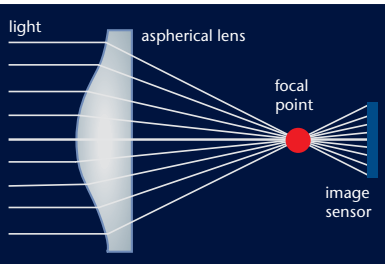
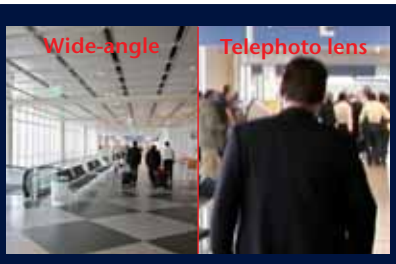


Aspherical lenses are the high-end standard in optics and reflect the entering light perfectly – without fuzziness or image faults at the edges.

With variable lighting conditions, choose auto-iris lenses. These automatically adapt the iris to the light situation and thus always provide for optimally exposed images. Manual lenses are an inexpensive choice for applications with steady light.



Get an overview or see the details. You can choose from seven lenses to meet any requirement. With a horizontal angle of view of up to 98°, you see everything all the time. The high-quality telephoto lenses provide exact details also over long distances.

Eyseo Lenses

	Lenses
Article number	**TV8552-TV8556, TV8572, TV8573**
Product features	• Aspheric grinding against edge blur • 360-close for complete protection against dust particles • IR correction for high-contrast, sharp images at low light • Manual iris or auto-iris
Scope of delivery	Lens

Article number	**TV8552**	**TV8553**	**TV8554**	**TV8555**	**TV8556**	**TV8572**	**TV8573**
Focal length	8.5 - 40 mm	2.8 - 12 mm	2.8 - 12 mm	2.9 - 8.2 mm	2.9 - 8.2 mm	5 - 50 mm	5 - 50 mm
Image sensor	1/3“	1/3“	1/3“	1/3“	1/3“	1/3“	1/3“
Thread	CS	CS	CS	CS	CS	CS	CS
Aperture	F 1.3	F 1.3	F 1.3	F 1.0	F 1.0	F 1.3	F 1.3
Iris	Auto-Iris	Manual	Auto-Iris	Manual	Auto-Iris	Manual	Auto-Iris
Detection range 1/3”	34° - 7°	98° - 24°	98° - 24°	98° - 35°	98° - 35°	52° - 6°	52° - 6°
Detection range 1/4“	25° - 5°	74° - 18°	74° - 18°	69° - 27°	69° - 27°	39° - 4°	39° - 4°
Lens	Rear 9.3 mm	Rear 8.8 mm	Rear 8.8 mm	Rear 9 mm	Rear 9 mm	Rear 8.7 mm	Rear 8.7 mm
Aspherical	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IR-compatible	Yes + correction (no focus shift)	Yes + correction (no focus shift)	Yes + correction (no focus shift)	Yes + correction (no focus shift)	Yes + correction (no focus shift)	-	-

Which lenses do you need?

The important aspects of the lens are the angle of view and the focal length. For sharp images of a scene, you need to consider the following: the optimal distance between camera and object and the width of the object. If both of these variables are known (distance of camera to the object and image width) you can calculate the focal length as follows:

focal length (with 1/3“ image sensor) =

$$\frac{\text{object distance (m) x4,8mm}}{\text{object width (m)}}$$

focal length (with 1/4“ image sensor) =

$$\frac{\text{object distance (m) x3.6 mm}}{\text{object width (m)}}$$

Eyseo Zoom Cameras

Always right where things are happening

- Zoom factor up to 560x (optical zoom x digital zoom)
- Auto-iris function
- Menu-guided setup program (OSD)
- Effective backlight compensation
- Remote control via RS-485
- UVV-Kassen certified

With the zoom cameras from ABUS Security-Center you are always close to the action, regardless of how far away the object of interest is. Furthermore, you get top image quality, certified by “UVV-Kassen”. With Eyseo zoom cameras, you have the choice between a day camera that switches to B/W mode at low light and a real day/night camera with removable IR cut filter. Thus, you can take advantage of the most modern camera technology with excellent zoom factor.

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With autofocus, the cameras automatically gets a sharp view of the relevant image area. As a further possibility, you can have manual control via RS-485 cabling. You can adjust the camera's mighty optical zoom via software or a keyboard. Thus you are able to zoom from a complete overview of the premises down to important details.

Eyseo Zoom Cameras

	Zoom Camera	Day/Night Zoom Camera
Article number	**TV7053**	**TV7057**
Product features	• 1/4“ Sony Super HAD CCD • 22x motor + 16x digital zoom • Electronic switchover from color to B/W • Automatic focusing for sharp images at all times • UVV-Kassen certified	• 1/4“ Sony Super HAD CCD • 35x motor zoom + 16x digital zoom • Use at day or night • Electromechanically removable IR cut filter (ICR) • Automatic focusing for sharp images at all times • UVV-Kassen certified
Scope of delivery	Camera, mounting plate for camera mount with screws, assembly instructions	Camera, mounting plate for camera mount with screws, assembly instructions
Required accessories	Power supply (p. 70), video cable (p. 66-67)	Power supply (p. 70), video cable (p. 66-67)
Optional accessories	Outdoor housing (p. 56-58), camera mounts (p. 59)	Outdoor housing (p. 56-58), camera mounts (p. 59), IR illuminators (p. 54-55)
Image sensor	1/4“ Sony Super HAD CCD	1/4“ Sony Super HAD CCD
Resolution	470 TV lines / 438,000 pixels	470 TV lines / 438,000 pixels
Day/night switch-over	Switch-over to B/W mode	Electromechanically removable IR cut filter (ICR)
Minimum lighting	0.7 lux at F 1.6	0.12 lux (day) / 0.05 lux (night)
Signal-to-noise ratio	> 48 dB	> 48 dB
Lens	22x zoom / 3.9~85.8 mm / F1.6~3.7	35x zoom / 3.4~120 mm / F1.6~4.5
Digital zoom	16x (maximal enlargement incl. opt. zoom: 352x)	16x (maximal enlargement incl. opt. zoom: 560x)
Horizontal angle of view	47° (wide-angle) ~3° (telephoto)	57.8° (wide-angle) ~1.7° (telephoto)
Camera outputs	1 V ss / 75 ohms / BNC connection	1 Vss / 75 ohms / BNC connection
Electronic Shutter	1/50 s – 1/30,000 s	1/50 s – 1/30,000 s
Zoom control and menu access	RS-485, protocols: AUTO / PELCO / NATIVE / LG	RS-485, protocols: AUTO / PELCO / NATIVE / LG
Gain control	Auto / manual (1dB ~ 26 dB)	Auto / manual (1dB ~ 26 dB)
Power supply	12 V DC	12 V DC
Power consumption	4.1 W	4.1 W
Dimensions (W x H x D)	72 x 60 x 132 mm	72 x 60 x 132 mm

Article number	**TV7053**	**TV7057**

Eyseo Waterproof cameras

Expansive overview at smallest dimensions

- Ultra-wide angle with horizontal angle of view of up to 160°
- IP66 for outdoor applications
- High resolution with 480 TVL
- Ultra-compact housing
- Easy installation due to mounting bracket and preinstalled connecting cable
- Low power consumption
- Digital signal processor

This robust mini camera is reliably protected against water and dust by a solid aluminum housing (protection class IP66). With a horizontal angle of view of up to 160°, you get usable surveillance images in spite of the extremely small construction, and you immediately get a good overview of a wide area. However, due to the fish-eye effect, it is harder to identify a person. Special advantage: Due to the low power consumption of only 50 mA, this camera is especially well-suited for battery-operated mobile use.

With the 67° wide-angle lens, the quality degradation at the image edges clearly decreases and the image detail increases. With 67°, the surveillance area is still very wide.

108° wide-angle - the perfect compromise between overview at first glance and image quality.

With a 160° wide-angle lens, the camera provides a quick overview of the whole scene. Here, you have to be prepared for the so-called fish-eye effect that can lead to slightly blurry edges.

Eyseo Waterproof cameras

	Vandal-proof Day/Night Outdoor Camera	Mini Outdoor Camera	Super Mini Outdoor Camera
Article number	**TV7048**	**TV7180, TV7181**	**TV7510, TV7511, TV7512**
Product features	• 1/3“ Sony ExView HAD CCD • Salt water resistant nylon housing • Digital switch-over from color to B/W mode • High infrared sensitivity for nighttime operation	• 3.6 mm lens • IP66, protected against streaming water • For use without outdoor housing • Includes wall mounting bracket with quick connect • Digital signal processor	• 1/4“ Sony Super HAD CCD • Integrated pin hole lens • Resolution: 480 TV lines • Ultra-wide angle up to max. 160° • Protection class IP66 • Automatic electronic shutter (AES) • DSP
Scope of delivery	Camera, 50 m extension cable, 12 V power supply, sun cover, wall/ceiling mount, BNC/cinch adapter	Camera, camera mount, 1.5 m cable	Camera, camera mount, 2 m connecting cable (preinstalled), installation material
Required accessories		Power supply (p. 70)	Power supply (p. 70)
Optional accessories	IR Illuminators (p. 54-55)	Extension cable (p. 66-67)	Extension cable (p. 66-67)

Color - B/W	Color	B/W	Color	Color	Color	Color
Image sensor	1/3“ Sony ExView HAD	1/3“ Sony Super HAD	1/4“ Sony Super HAD	1/4“ Sony Super HAD CCD		
Resolution	480 TV lines	420 TV lines (CCIR: 500 x 582)	330 TV lines (CCIR: 500 x 582)	480 TV lines		
Minimum illumination	color: 0.01 lux / F2.0 , IR: 780-940 nm	0.1 lux / F2.0	0.5 lux / F2.0	color: 2.0 lux		
Signal-to-noise ratio	> 52 dB	> 48 dB	> 48 dB	> 48 dB	> 48 dB	> 48 dB
Lens	3.6 mm lens	3.6 mm / F2.0	3.6 mm / F2.0	2.7 mm	1.6 mm	1.22 mm
Horizontal Angle of view	78°	78°	72°	67°	108°	160°
Day/night switch-over	From color to B/W below 2 lux	-	-	-	-	-
Watertight up to	50 m	Streaming water	Streaming water	Streaming water		
Protection class	IP68, salt water resistant	IP66	IP66	IP66	IP66	IP66
Electronic Shutter	1/50s - 1/110,000 s	1/50s - 1/110,000 s	1/50s - 1/110,000 s	1/50 - 1/100,000 sec		
Backlight compensation	BLC	BLC	BLC	BLC	BLC	BLC
Gain control	AGC	AGC	AGC	AGC	AGC	AGC
Edge correction	-	-	-	-	-	-
Power consumption	3 W	1.44 W	1.44 W	0.6 W	0.6 W	0.6 W
Power supply	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC
Dimensions (H x D)	70 x 190 mm	28 x 89.5 mm	28 x 89.5 mm	40 x 40 x 35 mm		

Article number	**TV7048**	**TV7180**	**TV7181**	**TV7510**	**TV7511**	**TV7512**

Eyseo Waterproof cameras

This dwarf of a camera gets them all...

- Compact Design
- Easy Plug for quick installation
- Handy “All-in-One” camera with IP66 and IR LEDs on board
- Day/Night function
- Interior cable duct

All the features you could wish for - combined with small, unobtrusive design. The new IR Mini outdoor cameras are fully equipped for 24-hour video surveillance, including outdoor use. Due to Easy Plug, installation is a breeze, because the camera is only attached after the mount is already installed. Thus, it cannot be damaged during installation. When it is time to exchange the camera for maintenance purposes, this feature is also a real time saver.

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The small IR Mini Outdoor Camera is a true jack-of-all-trades. With protection class IP66, the cameras can be also be deployed outside. The integrated IR LEDs illuminate the camera’s field of vision up to 15 meters. Thus, the premises stay monitored even at night. This camera is ideal for monitoring facades, entrance and exit areas, driveways or courtyards.

Eyseo IR Mini Outdoor Camera

	IR Mini 380 TVL Outdoor Camera	IR Mini 520 TVL Outdoor Camera
Article number	**TVCC40000**	**TVCC40030**
Product features	• Compact IP66 outdoor camera with infrared night view function • Daylight sensor controls automatic activation of infrared LEDs at low light conditions • Easy-Plug function for easy camera installation • Concealed cable routing • Includes 3-axis camera mount (preinstalled)	• Compact IP66 outdoor camera with infrared night view function • Day/night camera with removable IR cut filter • Daylight sensor controls automatic activation of infrared LEDs at low light conditions • Easy-Plug function for easy camera installation • Concealed cable routing • Includes 3-axis camera mount (preinstalled)
Scope of delivery	Camera, camera mount with Easy-Plug function (preinstalled), installation material	
Required accessories	Power supply (p. 70)	Power supply (p. 70)
Optional accessories	Video cable (p. 66-67), additional IR illuminators (p. 54-55)	Video cable (p. 66-67), additional IR illuminators (p. 54-55)

Image sensor	1/4“ Sharp CCD	1/3“ Sony Super HAD CCD
DSP	Sharp	Nextchip
Resolution	380 TVL	520 TVL
Image elements	Total: 537 (H) x 597 (V) Effective: 512 (H) x 582 (V)	Total: 795 (H) x 596 (V) Effective: 752 (H) x 582 (V)
Lens	3.6 mm, Miniature, 53° angle of view, DC	3.6 mm, Miniature, 78° angle of view, DC
Day/night switch-over	Color / B/W	Infrared cut filter (ICR), color / B/W
Minimum illumination	color: 0.8 lux @ F2.3, 30 IRE (AGC) B/W: 0.5 lux @ F2.3, 30 IRE (AGC) IR: 0 lux @ F2.3, 30 IRE (AGC)	color: 0.5 lux @ F2.3, 30 IRE (AGC) B/W: 0.5 lux @ F2.3, 30 IRE (AGC) IR: 0 lux @ F2.3, 30 IRE (AGC)
Electronic Shutter	AES	AES
White balance	AWB	AWB
Gain control	AGC	AGC
Backlight compensation	BLC	BLC
Signal-to-noise ratio	48 dB	48 dB
IR LEDs	Yes, range ca. 15 m	Yes, range ca. 15 m
Connections	FBAS, 1 Vss, 75 ohms (BNC), 5.5 x 2.1 mm (DC)	FBAS, 1 Vss, 75 ohms (BNC), 5.5 x 2.1 mm (DC)
Power supply	12 V DC	12 V DC
Power consumption	max. 4 W	max. 4 W
Dimensions (W x H x D)	60 x 57 x 155 mm	60 x 57 x 155 mm

Article number	**TVCC40000**	**TVCC40030**

Eyseo IR Vario Outdoor Camera PROFILINE

Convenient adjustment of focus, zoom and angle / power of the IR illumination.

Robust and variable - outdoor video surveillance of the future

- 30 IR LEDs with adjustable beam angle and intensity
- Robust housing with IP66
- Completely internal cable routing
- Easy focus and zoom setting on the back side
- Integrated variofocal auto-iris lens
- Optionally available with DNR or WDR Pixim chip
- Reflecting sun shield

Everything under control – in any light and in any weather. These outdoor cameras combine reliability and robustness with impressive flexibility. Therefore, all parameters such as IR lighting, field of view, and zoom can be optimally adjusted. You do not miss any details, even in the dark.

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The robust construction (IP66) guarantee trouble-free operation also under wet, cold, and otherwise adverse environmental conditions. Perfect for use outdoors without additional outdoor housing - saving time and money. The completely internal cable routing (inside the mount) provides further protection against weather, tampering, and other adverse influences.

Eyseo IR Vario Outdoor Camera PROFI|LINE®

	IR Vario Outdoor Camera PROFI|LINE®	DNR IR Vario Outdoor Camera PROFI|LINE®	WDR IR Vario Outdoor Camera PROFI|LINE®
Article number	**TVCC60000**	**TVCC60010**	**TVCC60020**
Product features	• Camera for applications with different color temperatures (halogen / fluorescent lights) • Increase of spectral sensitivity by about 7 dB compared to Super HAD • Day/night camera with electrome-chanically removable IR cut filter • IP66 camera housing and mount with internal cable routing • Adjustable beam angle for IR LEDs	• Camera for application under adverse light conditions (low light) • Digital noise suppression (3D DNR) • Day/night camera with electrome-chanically removable IR cut filter • IP66 camera housing and mount with internal cable routing • Adjustable beam angle for IR LEDs	• Camera for application with strong contrasts • Newest Pixim image sensors and DSP technology • Maximal control of lighting dynamics from 120 dB • IP66 camera housing and mount with internal cable routing • Adjustable beam angle for IR LEDs
Scope of delivery	Camera, 3-axis wall and ceiling mount (preinstalled), 2 m connecting cable (preinstalled), hex key, installation material		
Required accessories	Power supply (p. 70)		
Optional accessories	Video cable (p. 66-67), additional IR LEDs (p. 54-55)		

Image sensor	1/3“ Sony Super HAD II CCD	1/3“ Sony Super HAD II CCD	1/3“ Pixim DPS CMOS
DSP	Sony	Hitachi	Pixim
Resolution	540 TVL	540 TVL	540 TVL
Image elements	Total: 795 (H) x 596 (V) Effective: 752 (H) x 582 (V)	Total: 795 (H) x 596 (V) Effective: 752 (H) x 582 (V)	Total: 742 (H) x 552 (V) Effective: 720 (H) x 540 (V)
Lens	3.3 ~ 12 mm, F1.4, DC control	3.3 ~ 12 mm, F1.4, DC control	3.3 ~ 12 mm, F1.4, DC control
Day/night switch-over	Removable IR cut filter (ICR), color / B/W	Removable IR cut filter (ICR), color / B/W	Removable IR cut filter (ICR), color / B/W
Hor. angle of view	89,8° - 23,9°	89,8° - 23,9°	89,8° - 23,9°
Minimum illumination	color: 0.1 lux @ F1.4, 30 IRE (AGC) B/W: 0.1 lux @ F1.4, 30 IRE (AGC) IR: 0 lux @ F1.4, 30 IRE (AGC)	color: 0.08 lux @ F1.4, 30 IRE (AGC) B/W: 0.01 lux @ F1.4, 30 IRE (AGC) IR: 0 lux @ F1.4, 30 IRE (AGC)	color: 0.3 lux @ F1.4, 30 IRE (AGC) B/W: 0.03 lux @ F1.4, 30 IRE (AGC) IR: 0 lux @ F1.4, 30 IRE (AGC)
DSP functions	-	3D DNR 4x frame integration	4x frame integration
WDR	-	-	120 dB (max.)
Electronic Shutter	AI	AI	AI
White balance	AWB, 2500~9500K	ATW, 2856~9600 K	ATW, 2000~7500 K
Gain control	0~32 dB	0~30 dB	0~24 dB
Backlight compensation	BLC	BLC	BLC
Signal-to-noise ratio	48 dB	52 dB	50 dB
IR LEDs	30 IR LEDs, max. range 40 m, beam angle 30 ~ 55 degrees	30 IR LEDs, max. range 40 m, beam angle 30 ~ 55 degrees	30 IR LEDs, max. range 40 m, beam angle 30 ~ 55 degrees
Connections	FBAS, 1 Vss; 75 ohms (BNC); 5.5 x 2.1 mm (DC)	FBAS, 1 Vss; 75 ohms (BNC); 5.5 x 2.1 mm (DC)	FBAS, 1 Vss; 75 ohms (BNC); 5.5 x 2.1 mm (DC)
Power supply	12 V DC	12 V DC	12 V DC
Power consumption	3.5/6.3 W (with IR)	2.4/6.8 W (with IR)	4.0/10.5 W (with IR)
Dimensions (W x H x D)	88 x 84 x 237.5 mm	88 x 84 x 237.5 mm	88 x 84 x 237.5 mm

Article number	**TVCC60000**	**TVCC60010**	**TVCC60020**

Eyseo covered cameras

Nothing but the truth. ABUS Security-Center offers a wide range of mini cameras and covered cameras for unobtrusive video surveillance in XXS format. This way you see what's really happening. Whether you use them for concealed surveillance with specific suspicions, for tight spaces, for integration into other systems, or for discreet appearance - the cameras capture events as they really take place.

These surface/flush mount cameras with unobtrusive aluminum design are perfectly suited for installation in suspended ceilings. With their small diameter of only 45mm, these cameras fit perfectly into the opening of a halogen spotlight.

	Pinhole cameras in PIR housing	Pinhole cameras in smoke detektor housing
Article number	**TV7028, TV7029**	**TV7024, TV7025**
Product features	• 1/3“ Sony Super HAD CCD • Hidden installation in the PIR housing • Integrated 3.7 mm pinhole lens • Integrated microphone	• 1/3“ Sony Super HAD CCD • Hidden installation in the smoke detector housing • Integrated 3.7 mm pinhole lens • Perfect for ceiling mount
Scope of delivery	Camera, wall/ceiling mount	Camera
Required accessories	Power supply (p. 70), video cable (p. 66-67)	Power supply (p. 70), video cable (p. 66-67)
Optional accessories	Mini recorders (p. 97)	Mini recorders (p. 97)

Camera type	Color	Color	Color	Color
Image sensor	1/3“ Sony Super HAD		1/3“ Sony Super HAD	
Resolution	380 TVL	550 TVL	380 TVL	550 TVL
Minimum illumination	0.2 lux / F2.0	0.3 lux / F2.0	0.2 lux / F2.0	0.3 lux / F2.0
Signal-to-noise ratio	> 48 dB	> 48 dB	> 48 dB	> 48 dB
Lens	3.7 mm pinhole lens		3.7 mm pinhole lens	
Horizontal angle of view	71°	71°	71°	71°
Protection class	IP50	IP50	IP30	IP30
Electronic Shutter	1/50s - 1/110,000 s		1/50s - 1/110,000 s	
Backlight compensation	BLC	BLC	BLC	BLC
Gain control	AGC	AGC	AGC	AGC
Edge correction	-	-	-	-
White balance	AWB	AWB	AWB	AWB
DSP	Yes	Yes	Yes	Yes
Power consumption	2.4 W	2.64 W	1.7 W	2.64 W
Power supply	12 V DC	12 V DC	12 V DC	12 V DC
Dimensions	70 x 120 x 48 mm (H x W x D)		120 x 60 mm (H x D)	

Article number	**TV7028**	**TV7029**	**TV7024**	**TV7025**

Eyseo Mini cameras

	Surface/flush mount Pinhole Camera	Pinhole Mini Camera	Pinhole Super Mini Camera
Article number	**TV7018, TV7019**	**TV7020, TV7021**	**TV7150**
Product features	• 1/3“ Sony Super HAD CCD • Integrated 3.7 mm pinhole lens • Camera module can pan and tilt • Unobtrusive appearance	• Integrated 3.7 mm pinhole lens • Camera module can tilt • Easily integratable into objects of everyday life • 71°-wide surveillance area	• 1/4“ Sharp CCD • Integrated 3.7 mm pinhole lens • Resolution: 420 TV lines • Horizontal angle of view: 51° • Incl. adapter rings for internal or external mounting
Scope of delivery	Camera, internal/external adapter ring	Camera	Camera, camera mount, ceiling mount, adapter rings
Required accessories	Power supply (p. 70)	Power supply (p. 70)	Power supply (p. 70)
Optional accessories	Video cable (p. 66-67), mini recorder (p. 97)	Video cable (p. 66-67), mini recorder (p. 97)	Video cable (p. 66-67), mini recorder (p. 97)

Camera type	Color	B/W	B/W	Color	Color
Image sensor	1/3“ Sony Super HAD		1/3“ Sony Super HAD		1/4“ Sharp CCD
Resolution	380 TVL	420 TVL	420 TVL	380 TVL	420 TVL
Minimum illumination	color: 0.4 lux / F2.0	B/W: 0.1 lux / F2.0	B/W: 0.4 lux / F2.0	color: 0.2 lux / 2.0	color: 0.05 lux
Signal-to-noise ratio	> 48 dB	> 48 dB	> 48 dB	> 50 dB	> 50 dB
Lens	3.7 mm pinhole		3.7 mm pinhole		3.7 mm (F2.0)
Horizontal angle of view	71°	71°	71°	71°	51°
Protection class	IP53	IP53	IP50	IP50	IP54
Electronic Shutter	1/50s - 1/110,000 s	1/50s - 1/110,000 s	1/50s - 1/110,000 s	1/50s - 1/110,000 s	1/50 - 1/100,000 sec
Backlight compensation	BLC	BLC	BLC	BLC	Active histogram plus window weight BLC
Gain control	AGC	AGC	AGC	AGC	AGC
Edge correction	-	-	-	-	-
White balance	AWB	-	-	AWB	AWB: 2400 - 11000 K
DSP	Yes	Yes	-	Yes	Yes
Power consumption	1.4 W	1.32 W	1.32 W	1.32 W	2.1 W
Power supply	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC
Dimensions	51 x 45 mm (H x D)		36 x 36 x 30 mm (W x H x D)		29.4 x 22 mm (H x D)

Article number	**TV7018**	**TV7019**	**TV7020**	**TV7021**	**TV7150**

Eyseo Board Cameras

Board cameras can easily be integrated into production lines or manufacturing systems. They are used to increase productivity, for process monitoring, and for quality assurance. A selection of 12 different camera types is available for the varied applications.

Super Mini Board Cameras

Article number TV7500, TV7501, TV7502

Product features
- The smallest overall size, only 26 x 22 x 18 mm
- Ultra-wide angle with a horizontal angle of view of up to 160°
- Inconspicuous design

Scope of delivery Board camera

Required accessories Power supply (p. 70)

Optional accessories Video cable (p. 66-67)

Image sensor	1/4“ Sony Super HAD CCD		
Resolution	480TVL	480TVL	480TVL
Minimum illumination	2.0 lux (F2.2)	2.0 lux (F2.2)	2.0 lux (F2.2)
Signal-to-noise ratio	> 48 dB	> 48 dB	> 48 dB
Lens	2.7 mm fixed / F2.2	1.6 mm fixed / F2.2	1.22 mm fixed / F2.2
Horizontal angle of view	67°	108°	160°
Camera outputs	1Vss / 75 ohms / BNC connection		
Power supply	12 V DC	12 V DC	12 V DC
Power consumption	< 50 mA	< 50 mA	< 50 mA
Dimensions (W x H x D):	26 x 22 x 18 mm	26 x 22 x 18 mm	26 x 22 x 18 mm
Article number	**TV7500**	**TV7501**	**TV7502**

With ultracompact design, board cameras are ideally suited for the hidden installation behind pictures, file folders, or in suitcases. With up to 520 TV lines, the cameras deliver excellent images and provide a perfect overview.

Mini lenses for board cameras

Article number TV7120, TV7121, TV7122, TV7123, TV7124, TV7125

Product features
- Highest performance in small spaces
- For all board cameras with mini lens

Scope of delivery Mini lens

Focal length	2,5 mm	4.3 mm	6 mm	8 mm	12 mm	16 mm
Horizontal angle of view 1/3”	104°	60°	43°	33°	23°	19°
Horizontal angle of view 1/4”	73°	42°	30°	23°	16°	13°
Aperture	F 2.0	F 2.0	F 2.0	F 2.0	F 2.0	F 2.5
Article number	**TV7120**	**TV7121**	**TV7122**	**TV7123**	**TV7124**	**TV7125**

Eyseo Board Cameras

	380 TVL Board Camera	480 TVL Board Camera	520 TVL Board Camera	Day/Night 520 TVL Board Camera	WDR 480 TVL Board Camera
Art.-Nr.	**TVCC10000, TVCC10500**	**TVCC10010, TVCC10510**	**TVCC10020, TVCC10520**	**TVCC10030**	**TVCC10040, TVCC10540**
			only with TV7122 -TV7125	only with TV7122 -TV7125	
Product features	• The smallest design for flexible application • Image optimization with DSP technology • Resolution 380 TVL	• The smallest design for flexible application • Image optimization • with DSP technology • Resolution 480 TVL	• 1/3“ Sony Super HAD CCD • Image optimization with Sony DSP • Smallest design • Resolution 520 TVL	• 1/3“ Sony Super HAD CCD • Day/night camera with electromechanically removable IR cut filter • Resolution 520 TVL	• Wide Dynamic • Range Camera for • Improved backlight-handling • 1/4“ WDR CMOS image sensor • Resolution 480 TVL

Scope of delivery Camera, connection cable

Required accessories Power supply (S. 70)

Optional accessories Video cable (S. 66-67)

Pinhole lens

Mini lens

The board cameras are available with pinhole lens or mini lens (except day/night board camera)

Image sensor	1/4“ Sharp CCD		1/3“ Sharp CCD		1/3“ Sony Super HAD CCD		1/3“ Sony Super HAD CCD	1/4“ WDR CMOS	
DSP	Sharp		Nextchip		Nextchip		Nextchip	Omnivision	
Resolution	380 TVL		480 TVL		520 TVL		520 TVL	480 TVL	
Image elements	Total: 537(H) x 597(V) Effective: 512(H) x 582(V)		Total: 795(H) x 596(V) Effective: 752(H) x 582(V)		Total: 795(H) x 596(V) Effective: 752(H) x 582(V)		Total: 795(H) x 596(V) Effective: 752(H) x 582(V)	Total: 768(H) x 506(V)	
Horizontal angle of view	53°	51°	71°	68°	71°	68°	71°	52°	51°
Minimum illumination	0.8 Lux @ F2.0, 30 IRE	1.3 Lux @ F2.3, 30 IRE	0.6 Lux @ F2.0, 30 IRE	0.9 Lux @ F2.3, 30 IRE	0.6 Lux @ F2.0, 30 IRE	0.9 Lux @ F2.3, 30 IRE	Farbe, S/W: 0.6 Lux @ F2.0, 30 IRE IR: 0 Lux @ F2.0, 30 IRE	0,4 Lux @ F2.0, 30 IRE	
Electronic Shutter	AES	AES	AES	AES	AES	AES	AES	AES	AES
White balance	AWB	AWB	AWB	AWB	AWB	AWB	AWB	AWB	AWB
Gain control	AGC	AGC	AGC	AGC	AGC	AGC	AGC	AGC	AGC
Backlight compensation	BLC (automatic)		BLC (An/Aus)		BLC (On/off)		BLC (On/off)	BLC (automatic)	
Dynamic range (WDR)	-	-	-	-	-	-	-	70 dB	70 dB
Signal-to-noise ratio	48 dB	48 dB	48 dB	48 dB	48 dB	48 dB	48 dB	48 dB	48 dB
Connections	FBAS, 1Vs-s; 75 Ohm (BNC); 5.5x2.1 mm (DC)		FBAS, 1Vs-s; 75 Ohm (BNC); 5.5x2.1 mm (DC)		FBAS, 1Vs-s; 75 Ohm (BNC); 5.5x2.1 mm (DC)		FBAS, 1Vs-s; 75 Ohm (BNC); 5.5x2.1 mm (DC)	FBAS, 1Vs-s; 75 Ohm (BNC); 5.5x2.1 mm (DC)	
Power supply	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC
Power consumption	1.6 W	1.6 W	1.5 W	1.5 W	1.5 W	1.5 W	2.3 W	0.8 W	0.8 W
Dimensions (W x H x D) mm	32x32x35	32x32x30	32x32x35	32x32x20	32x32x35	32x32x20	32x32x40	32x32x42	32x32x25

Lens type	**Mini**	**Pinhole**	**Mini**	**Pinhole**	**Mini**	**Pinhole**	**Mini**	**Mini**	**Pinhole**
Article number	**TVCC10000**	**TVCC10500**	**TVCC10010**	**TVCC10510**	**TVCC10020**	**TVCC10520**	**TVCC10030**	**TVCC10040**	**TVCC10540**

Eyseo dome cameras

The Eyseo mini domes excel with high image quality and compact form. After installation, the camera module can still be adjusted along three axes (except with TV7400-2). Thus, you can optimally position and aim the camera for your purposes.

The wide-angle lens (TV7400-TV7402) in a ceiling installation provides for a complete overview of the premises. With only one camera you have a whole room in view. In larger rooms, identification may however be hindered by the "fish-eye effect".

	Super Mini Dome Cameras			Mini Dome Cameras			
Article number	**TV7400, TV7401, TV7402**			**TV7110, TV7111, TV7112, TV7113**			
Product features	• The smallest overall size, only 40 mm tall • Ultra-wide angle of view up to 160° horizontally • Inconspicuous design			• 1/3“ Sony Super HAD CCD • Integrated 3.6 mm miniature lens • Horizontal field of view: 78° • Camera module can pan and tilt • Small construction, only 74 mm diameter			
Scope of delivery	Dome camera			Dome camera, wall/ceiling mount			
Required accessories	Power supply (p. 70)			Power supply (p. 70)			
Optional accessories	Video cable (p. 66-67)			Video cable (p. 66-67)			
Color - B/W	Color	Color	Color	B/W	B/W	Color	Color
Image sensor	1/4“ Sony Super HAD CCD			1/3“ Sony Super HAD CCD			
Resolution (TVL)	480	480	480	420	600	380	550
Minimum illumination	2.0 lux (F2.2)	2.0 lux (F2.2)	2.0 lux (F2.2)	0.1 lux	0.2 lux	0.3 lux	0.4 lux
Lens	2.7 mm fixed / F2.2	1.6 mm fixed / F2.2	1.22 mm fixed / F2.2	3.6 mm fixed			
Horizontal angle of view	67°	108°	160°	78°	78°	78°	78°
Signal-to-noise ratio	> 48 dB	> 48 dB	> 48 dB	> 48 dB	> 48 dB	> 48 dB	> 48 dB
Electronic shutter	ELC	ELC	ELC	1/50s up to 1/100,000 s			
Backlight compensation	BLC	BLC	BLC	BLC	BLC	BLC	BLC
Gain control	AGC	AGC	AGC	AGC	AGC	AGC	AGC
DSP	yes	yes	yes	-	-	yes	yes
White balance	Automatic (AWB)			-	-	yes	yes
Power supply	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC
Power consumption	max. 0.6 W	max. 0.6 W	max. 0.6 W	max. 1.3 W	max. 1.3 W	max. 1.3 W	max. 1.3 W
Camera outputs	1Vss / 75 ohms / BNC connection			1 Vss / 75 ohms / BNC connection			
Protection class	IP34	IP34	IP34	IP54	IP54	IP54	IP54
Dimensions (H x D):	40 x 46 mm			54.5 x 74 mm			

Article number	**TV7400**	**TV7401**	**TV7402**	**TV7110**	**TV7111**	**TV7112**	**TV7113**

Eyseo dome cameras

	Vario Dome Cameras	IR Dome Cameras
Article number	**TV7014, TV7015, TV7016, TV7017**	**TV7065, TV7066, TV7067, TV7068**
	TV7017	TV7068
Product features	• 1/3“ Sony Super HAD CCD • 3.7-12 mm auto-iris variozoom lens • Camera module can pan and tilt • Inconspicuous installation in the ceiling • UVV-Kassen certified (only TV7017)	• 1/3“ Sony Super HAD CCD • Integrated 3.6 mm wide-angle lens • Integrated infrared light for nighttime operation • Inconspicuous installation in the ceiling • UVV-Kassen certified (only TV7068)
Scope of delivery	Dome camera	Dome camera
Required accessories	Power supply (p. 70)	Power supply (p. 70)
Optional accessories	Video cable (p. 66-67), wall arm for dome TV7079 (p. 48)	Video cable (p. 66-67), wall arm for dome TV7079 (p. 48)

Color - B/W	B/W	B/W	Color	Color	B/W	B/W	Color	Color
Image sensor	1/3“ Sony Super HAD				1/3“ Sony Super HAD CCD			
Resolution	420 TVL	600 TVL	380 TVL	550 TVL	420 TVL	600 TVL	380 TVL	550 TVL
Minimum illumination	0.07 lux @ F1.6	0.2 lux @ F1.6	0.13 lux @ F1.6	0.26 lux @ F1.6	0.1 lux @ F2.0	0.2 lux @ F2.0	0.2 lux @ F2.0	0.3 lux @ F2.0
Protection class	IP54	IP54	IP54	IP54	IP54	IP54	IP54	IP54
Signal-to-noise ratio	> 48 dB	> 48 dB	> 48 dB	> 48 dB	> 48 dB	> 48 dB	> 48 dB	> 48 dB
Lens	3.7 - 12 mm auto-iris variofocal lens				3.6 mm wide angle			
Horizontal angle of view	23.8 - 71.6°				78°	78°	78°	78°
Day/night switch-over	-	-	-	-	-	-	yes (< 1 lux)	yes (< 1 lux)
Integrated IR light	-	-	-	-	24 IR LEDs automatically controlled via CDS, 850 nm optical wavelength, range up to 15 m (depending on environment), beam angle: 20°			
Electronic shutter	1/50s - 110,000 s				1/50s - 1/110,000 s			
Backlight compensation	BLC	BLC	BLC	BLC	BLC	BLC	BLC	BLC
Gain control	AGC	AGC	AGC	AGC	AGC	AGC	AGC	AGC
Edge correction	-	-	-	-	-	-	-	-
White balance	-	-	AWB	AWB	-	-	AWB	AWB
DSP	-	-	Yes	Yes	-	-	Yes	Yes
Power consumption	max. 1.32 W	max. 4 W	max. 2.64 W	Max. 2.64 W	4.5 W (1.1 W without LEDs)	4.5 W (1.1 W without LEDs)	4.8 W (1.4 W without LEDs)	5.7 W (2.6 W without LEDs)
Power supply	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC
Dimensions (H x D)	91 x 107 mm				97 x 140 mm			

Article number	**TV7014**	**TV7015**	**TV7016**	**TV7017**	**TV7065**	**TV7066**	**TV7067**	**TV7068**

Eyseo Vandal-proof Dome Cameras

People with something to hide like to remain unobserved. Often potential wrongdoers direct their violence against video surveillance cameras. Thus, in publicly accessible buildings or outdoors, the particularly robust, vandal-proof dome cameras are recommended. The housing is so solidly built that it can withstand even heavy blows.

Cameras with integrated infrared illumination make excellent "night watchmen" At a specific light intensity, the color cameras switch over to the more light sensitive B/W mode and the IR LEDs are activated - for good images, also at night.

	Vandal-proof Mini Dome Cameras	Vandal-proof Vario Dome Cameras
Article number	**TV7070, TV7071, TV7072, TV7073**	**TV7060, TV7061, TV7062, TV7063**
	TV7073	TV7063
Product features	• 1/3“ Sony Super HAD CCD • Integrated 3.0 mm miniature lens • Vandal-proof construction • Inconspicuous installation in the ceiling • UVV-Kassen certified (TV7073)	• 1/3“ Sony Super HAD CCD • Integrated 3.7-12 mm variofocal lens • Vandal-proof construction • Inconspicuous installation in the ceiling • UVV-Kassen certified (TV7063)
Scope of delivery	Dome camera	Dome camera
Required accessories	Power supply (p. 70)	Power supply (p. 70)
Optional accessories	Video cable (p. 66-67), wall mount (p. 48)	Video cable (p. 66-67), wall mount (p. 48)

Color - B/W	B/W	B/W	Color	Color	B/W	B/W	Color	Color
Image sensor	1/3“ Sony Super HAD CCD				1/3“ Sony Super HAD CCD			
Resolution TVL	420	600	380	550	420	600	380	550
Minimum illumination	0.1 lux @ F2.0	0.2 lux @ F2.0	0.2 lux @ F2.0	0.4 lux @ F2.0	0.07 lux @F1.5	0.13 lux @F1.5	0.13 lux @F1.5	0.3 lux @ F2.0
Signal-to-noise ratio	> 48 dB				> 48 dB			
Lens	3.0 mm / Miniature lens / F2.0				3.7 – 12 mm / F1.5 / DC auto-iris			
Horizontal angle of view	96°	96°	96°	96°	23.8° - 71.6°			
Electronic shutter	1/50 s - 1 / 110,000 s				1/50s - 1/110,000 s			
Integrated IR light	-	-	-	-	-	-	-	-
Day/night switch-over	-	-	-	-	-	-	-	-
Protection class	IP54	IP54	IP54	IP54	IP65	IP65	IP65	IP65
Backlight compensation	BLC	BLC	BLC	BLC	BLC	BLC	BLC	BLC
Gain control	AGC	AGC	AGC	AGC	AGC	AGC	AGC	AGC
Edge correction	-	-	-	-	-	-	-	-
White balance	-	-	AWB	AWB	-	-	AWB	AWB
DSP	-	-	Yes	Yes	-	-	Yes	Yes
Power consumption	1.32 W	1.32 W	2.64 W	2.64 W	max. 1.9 W	max. 2.0 W	max. 2.2W	max. 2.9W
Power supply	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC
Dimensions (H x D)	66 x 109 mm				97 x 140 mm			
Article number	**TV7070**	**TV7071**	**TV7072**	**TV7073**	**TV7060**	**TV7061**	**TV7062**	**TV7063**

Eyseo Vandal-proof Dome Cameras

	Vandal-proof IR Dome Cameras	Vandal-proof IR Vario Dome Cameras
Article number	**TV7075, TV7076, TV7077, TV7078**	**TV7085, TV7086, TV7087, TV7088**
	TV7078	TV7088
Product features	• 1/3“ Sony Super HAD CCD • Integrated 3.6 mm miniature lens • 24 IR LEDs, range up to 15 m • Vandal-proof construction • UVV-Kassen certified (only TV7078)	• 1/3“ Sony Super HAD CCD • Integrated 3.7 - 12 mm • Auto-iris variofocal lens • 24 IR LEDs, range up to 15 m • Vandal-proof construction • UVV-Kassen certified (only TV7088)
Scope of delivery	Dome camera	Dome camera
Required accessories	Power supply (p. 70)	Power supply (p. 70)
Optional accessories	Wall mount for dome TV7079 (p. 48), video cable (p. 66-67), additional IR illuminators (p. 54-55)	Wall mount for dome TV7079 (p. 48), video cable (p. 66-67), additional IR illuminators (p. 54-55)

Color - B/W	B/W	B/W	Color	Color	B/W	B/W	Color	Color
Image sensor	1/3“ Sony Super HAD CCD				1/3“ Sony Super HAD CCD			
Resolution	420 TVL	600 TVL	380 TVL	550 TVL	420 TVL	600 TVL	380 TVL	550 TVL
Minimum illumination	0.1 lux @ F2.0	0,2 lux @ F2.0	0,2 lux @ F2.0	0,3 lux @ F2.0	0.1 lux @ F2.0	0,2 lux @ F2.0	0,2 lux @ F2.0	0,3 lux @ F2.0
Signal-to-noise ratio	> 48 dB	> 48 dB	> 48 dB	> 48 dB	> 48 dB	> 48 dB	> 48 dB	> 48 dB
Lens	3.6 mm miniature / F.2.0				3.7 – 12 mm / DC auto-iris			
Horizontal angle of view	78°	78°	78°	78°	23.8° - 71.6°			
Electronic shutter	1/50 s – 1/110,000 s				1/50 s – 1/110,000 s			
Integrated IR light	24 IR LEDs, optical wavelength 850 nm, range up to 15 m (depending on environment), beam angle 20°				24 IR LEDs, optical wavelength 850 nm, range up to 15 m (depending on environment), beam angle 20°			
Day/night switch-over	-		electronic switch-over < 1 lux		-		electronic switch-over < 1 lux	
Protection class	IP65	IP65	IP65	IP65	IP65	IP65	IP65	IP65
Backlight compensation	BLC	BLC	BLC	BLC	BLC	BLC	BLC	BLC
Gain control	AGC	AGC	AGC	AGC	Low (16 dB) high (26 dB)			
Edge correction	-	-	-	-	-	-	-	-
White balance	-	-	AWB	AWB	-	-	AWB	AWB
DSP	-	-	Yes	Yes	-	-	Yes	Yes
Power consumption	4.5 W (1.1 W without LEDs)		4.8 W (1.14 W without LEDs)	5.7 W (2.6 W without LEDs)	IR on:4.5 W - IR off: 1.1 W	IR on: 4.5 W - IR off: 1.4 W	IR on: 4.8 W - IR off: 1.4 W	IR on: 5.7 W - IR off: 2.6 W
Power supply	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC
Dimensions (H x D)	96.5 x 145 mm				100 x 140 mm			

Article number	**TV7075**	**TV7076**	**TV7077**	**TV7078**	**TV7085**	**TV7086**	**TV7087**	**TV7088**

Eyseo Vandal-proof IR Vario Ball Dome Cameras PROFILINE®

Robustness and intelligent flexibility all in one

- High image quality due to state-of-the-art processor technology
- Protection class IP66
- 36 integrated IR LEDs
- Quick installation with drilling template
- External focus and zoom adjustment
- With its 3-axis spherical head, the camera can be aimed in any direction.

The vandal-proof Eyseo Vario Ball Domes are unobtrusive surveillance cameras. Since they are mounted on the ceiling, you can keep an eye on larger areas. Below a certain brightness, the camera automatically switches from color to the photosensitive Black/White mode. In darkness, the 36 integrated LEDs with a reach of up to 20 m provide the necessary light and ensure clear images. With protection class IP66 and the extremely robust housing, the dome resists adverse environmental conditions. The turnable and tiltable ball head can be adjusted just as easily as focus and zoom factor.

BG PRÜFZERT
UVV Kassen
Sicherheit geprüft
tested safety

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Nothing to worry about!

The vandal-proof Vario Ball Dome can withstand the most vicious attacks and is well equipped for critical deployments, such as parking garages, underpasses, etc.

Eyseo Vandal-proof IR Vario Ball Dome Cameras

PROFI|LINE®

ABUS Security Tech Germany

	IR Vario Ball Dome Camera PROFI|LINE®	DNR IR Vario Ball Dome Camera PROFI|LINE®	WDR IR Vario Ball Dome Camera PROFI|LINE®
Article number	**TVCC74000**	**TVCC74010**	**TVCC74020**
Product features	• Camera for applications with different color temperatures (halogen / fluorescent lights) • Increase of spectral sensitivity by about 7 dB compared to Super HAD • Removable IR cut filter • Weatherproof with IP66 • Zoom/focus adjusters easily accessible from outside	• Camera for application under adverse light conditions (low light) • Digital noise suppression (3D DNR) • Day/night camera with electrome-chanically removable IR cut filter • Weatherproof with IP66 • Zoom/focus adjusters easily accessible from outside	• Camera for application with strong contrasts • Newest Pixim image sensors and DSPtechnology • Maximal control of lighting dynamics from 120 dB • Weatherproof with IP66 • Zoom/focus adjusters easily accessible from outside
Scope of delivery	Camera, installation material (screws, anchors)		
Required accessories	Power supply (p. 70)		
Optional accessories	Video cable (p. 66-67), additional IR lighting (p. 54-55)		
Image sensor	1/3“ Sony Super HAD II CCD	1/3“ Sony Super HAD II CCD	1/3“ Pixim DPS CMOS
DSP	Sony	Hitachi	Pixim
Resolution	540 TVL	540 TVL	540 TVL
Image elements	Total: 795 (H) x 596 (V) Effective: 752 (H) x 582 (V)	Total: 795 (H) x 596 (V) Effective: 752 (H) x 582 (V)	Total: 742 (H) x 552 (V) Effective: 720 (H) x 540 (V)
Lens	3.3 ~ 12 mm, F1.4	3.3 ~ 12 mm, F1.4	3.3 ~ 12 mm, F1.4
Horizontal angle of view	83° - 23°	83° - 23°	83° - 23°
Day/night switch-over	Removable IR cut filter (ICR), color / B/W	Removable IR cut filter (ICR), color / B/W	Removable IR cut filter (ICR), color / B/W
Minimum illumination	color: 0.1 lux @ F1.4, 30 IRE (AGC) B/W: 0.1 lux @ F1.4, 30 IRE (AGC) IR: 0 lux @ F1.4, 30 IRE (AGC)	color: 0.08 lux @ F1.4, 30 IRE (AGC) B/W: 0.01 lux @ F1.4, 30 IRE (AGC) IR: 0 lux @ F1.4, 30 IRE (AGC)	color: 0.3 lux @ F1.4, 30 IRE (AGC) B/W: 0.03 lux @ F1.4, 30 IRE (AGC) IR: 0 lux @ F1.4, 30 IRE (AGC)
DSP functions	-	3D DNR 4x frame integration	4x frame integration
Dynamic range	-	-	120 dB (max.)
Electronic shutter	AI	AI	AI
White balance	AWB, 2500~9500K	ATW, 2856~9600 K	ATW, 2000~7500 K
Gain control	0~32 dB	0~30 dB	0~24 dB
Backlight compensation	BLC	BLC	BLC
Signal-to-noise ratio	48 dB	52 dB	50 dB
IR LEDs	36 IR LEDs , max. range 20 m	36 IR LEDs , max. range 20 m	36 IR LEDs , max. range 20 m
Connections	FBAS, 1 Vss; 75 ohms (BNC); 5.5 x 2.1 mm (DC)	FBAS, 1 Vss; 75 ohms (BNC); 5.5 x 2.1 mm (DC)	FBAS, 1 Vss; 75 ohms (BNC); 5.5 x 2.1 mm (DC)
Power supply	12 V DC	12 V DC	12 V DC
Power consumption	3.5/6.3 W	2.4/6.8 W	2.0/5.8 W
Protection class	IP66	IP66	IP66
Dimensions (H x Ø)	100 x 113.5 mm	100 x 113.5 mm	100 x 113.5 mm

| Article number | TVCC74000 | TVCC74010 | TVCC74020 |

Eyseo PTZ Dome Cameras

Silent and precise control: for professional surveillance

- Durable, time-tested mechanical components
- Quick and precise control with minimal deviation of 0.024°
- Low-noise technology for unobtrusive surveillance
- Intelligent alarm functions and tours
- Extensive accessories for every purpose and application

High-end surveillance: Everything in view with one camera – 360° infinite rotation, lightning-fast pan/tilt motion and (remote) control via keyboard, IP video server, digital recorder or PCI video surveillance cards make it possible. The decisive factor: Longevity – so your cameras will remain operational for years at day and night! This especially applies to the complex mechanical elements of PTZ dome camera.

eyseo.®

With a zoom factor of up to 432 you can effectively monitor wide areas such as parking lots with a single camera. Whenever necessary you can zoom in to get a closer look. WDR allows for clear images in difficult lighting situations.

With the ABUS Eyseo PTZ dome cameras, you are relying on extremely high-quality and durable mechanical parts such as sliding contacts (tested up to 20 million nonstop rotations), V-belts, zoom, etc.

With a PTZ dome you can monitor even large areas consistently and unobtrusively. More importantly, the camera does not reveal its position with loud motor or rotation noises! Due to low-noise technology, the Eyseo PTZ dome cameras provide absolute security also in this respect.

Eyseo PTZ Dome Cameras

	Mini PTZ Dome Camera	PTZ Dome Cameras
Article number	**TV7602**	**TV7600, TV7604**
Product features	• 1/4“ Sony Super HAD CCD • Focal length f = 3.8 - 38 mm • Light sensitivity down to 0.07 lux • Autoflip function • Programmable auto-scan • Privacy masking with 4 zones • International protection class: IP66 • UVV-Kassen certified	• WDR function (TV7604) • Up to 432x zoom (36x optical, 12x digital) • Up to 24 privacy zones • Remote control via RS-485 • Low-noise technology for extremely quiet movements • Minimal deviation of only 0.024° • Durable sliding contacts (20 million rotations tested) • 300°/s rotation and 250°/s tilt speed (presets)
Scope of delivery	Mini PTZ Dome Camera	Camera, 24 V AC power supply, ceiling installation frame with cover, installation guide
Required accessories	Power supply (p. 70), video cable (p. 66-67)	Video cable (p. 66-67)
Optional accessories	Keyboard, camera mount, smoked glass insert (p. 48-49)	Keyboard, camera mount, outdoor housing, smoked glass insert, RS-485 matrix, RS-485 repeater etc. (p. 48-49)

Image sensor	1/4“ Sony Super HAD CCD	1/4“ Sony Super HAD CCD	1/4“ Sony Exview
Camera module	Samsung	Samsung	Sony
Resolution	500 TVL	520 TVL	480 TVL
Minimum illumination	color: 2.5 lux @ F1.8, B/W: 0.07 lux @ F1.8	color: 0.6 lux, B/W: 0.1 lux	color: 1.4 lux, B/W: 0.01 lux
Optical zoom	10x autofocus	23x autofocus	36x autofocus
Digital zoom	10x	10x	12x
Lens	3.8 - 38 mm	3.8 - 88.4 mm	3.4 - 122.4 mm
Horizontal angle of view:	5.58° - 51.2°	2.36° - 52.5°	1.7° - 57.8°
Aperture	Continuous aperture control	Continuous aperture control	
Day/night switch-over	Automatically removable IR cut filter	Automatically removable IR cut filter	
Signal-to-noise ratio	> 50 dB	> 50 dB	
Menu	Multilingual, password-protected OSD	Multilingual, password-protected OSD	
Mobility	360° endless rotation, 180° flip-over function	360° endless rotation, 180° flip-over function	
Presets / tours	165 preset positions, 8 programmable patterns, 8 sectors	165 preset positions, 8 tours with 60 preset positions each	
Control protocols	Pelco D/P	Pelco D/P, Maxpro/T-Pro	
White balance	Automatic (AWB)	Automatic (AWB)	
Alarm input (NO/NC)	4 alarm inputs, can be associated with preset positions	4 alarm inputs, can be associated with preset positions	
Camera outputs	1 Vss / 75 ohms / BNC connection	1 Vss / 75 ohms / BNC connection	
Power supply	12 V DC	18~32 V AC 60 / 50 Hz	
Power consumption	650 mA (without heating), 1100 mA (with heating)	850 mA	
Dimensions (H x D)	157 x 167 mm	190 x 147 mm	

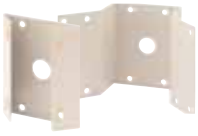
Article number	**TV7602**	**TV7600**	**TV7604**

Accessories for Eyseo Dome Cameras

The rugged keyboard gives you intuitive control of up to 255 PTZ domes via RS-485. PTZ dome cameras and their zoom factor can be controlled via joystick. From the keyboard you can also access and control the OSD menu of every PTZ dome camera.

- For up to 255 PTZ dome cameras
- Display for positioning information
- Direct access to the OSD of the PTZ dome possible
- RS-485 interface
- With protruding terminal block for easy, clean cable connections

Secure power supply for outdoors
The 24 V AC outdoor power supply (protection class IP66) provides the required voltage for all outdoor PTZ dome cameras and CCTV components.

	Wall mount for fixed dome	Wall mounting bracket for Mini PTZ dome	Adapter for PTZ dome
Article number	**TV7079**	**TV7613**	**TV7610, TV7611**
			
Product features	• Stable wall mount for secure installation • Suitable for TV7060-63, TV7065-68, TV7075-78, TV7085-88	• Can be attached to pole and corner mounting brackets (TV7610/11) • Stable wall mount for TV7602 • Interior cable duct	• Installation in inaccessible places • Suitable for combination with TV7606, TV7612, TV7613
Scope of delivery	Wall mount	Wall mounting bracket	Adapter

			Pole	Corner
Article number	**TV7079**	**TV7613**	**TV7610**	**TV7611**

	Smoked glass inserts	Keyboard	Interface converter
Article number	**TV7617, TV7618, TV7619**	**TV7605**	**TV8468, TV8469**
Product features	• Conceals the dome's viewing direction • Suitable for Mini PTZ dome, PTZ dome, and outdoor housing	• Protocols: Pelco, MaxPro/T-Pro • Outputs: 2x RS-485, 1x RS-232, • Dimensions (W x H x D): 365 x 150 x 99 mm	• Converts USB and/or RS-232 to RS485, half duplex • Quick connection in seconds
Scope of delivery	Smoked glass insert	Keyboard, terminal block, power supply RJ45, 8-pin connecting cable	Interface converter, only with TV8468: USB cable, driver CD

Spezifikation	**PTZ**	**Mini PTZ**	**Housing**		**USB**	**Serial**
Article number	**TV7617**	**TV7618**	**TV7619**	**TV7605**	**TV8468**	**TV8469**

Accessories for Eyseo Dome Cameras

	Flush mount frame	Wall/ceiling mount for PTZ dome cameras	Outdoor housing for PTZ dome cameras	Adapter for mount
Article number	**TV7607, TV7620**	**TV7609, TV7612**	**TV7606**	**TV7608**
		TV7609 TV7612		
Product features	• Robust and stable construction • For installation in suspended ceilings • Suitable for PTZ dome camera series • Height: 14 cm	• For wall and/or ceiling installation of the PTZ dome cameras • Can be combined with outdoor housing TV7606 or adapter TV7608	• Robust aluminum housing • Interior cable duct • Wind and weatherproof • Ceiling mount possible • Dome from polycarbonate • Protection class IP66 • Integrated heating	• Ceiling flush mount for PTZ domes • Ceiling mount in combination with TV7609 and/or wall mount with TV7612 • Quick and easy installation
Scope of delivery	Flush mount frame	Ceiling and/or wall mounting bracket	Outdoor housing	Adapter

Specification	**PTZ**	**Mini PTZ**	**Ceiling**	**Wall**		
Article number	**TV7607**	**TV7620**	**TV7609**	**TV7612**	**TV7606**	**TV8608**

	Outdoor Power Supply	RS-485 Matrix	RS-485 Repeater	RS-232 to RS-485/RS-422 converter
Article number	**TV8379**	**TV8473**	**TV8466**	**TV8467**
		Robust metal housing	Front view Rear view	Front view Rear view
Product features	• 24 V AC power supply for outdoor applications • Electronic overload protection • 4 protected outputs • Rated current: 4 A • Protection class IP66 • Dimensions (B x H x T): 180 x 182 x 90 mm	• Connect several control devices (e.g., keyboard, PCI) with up to 4 domes • Inputs: RS-232, 2x RS-485 • Outputs: 4x RS-485 • Distance: max. 1200 m via twisted pair cable	• Connect max. 32 repeaters, max. transmission distance of 38.4 km • Autom. Bandwidth detection up to 115.2 Kbit/s • Simple wiring • LED display for power/RX • 2.5 kV insulation protection	• Converts RS-232 data to RS-485 or RS-422 • Max. transmission rate: 115.2 kBit/s • 4-wire full duplex or 2-wire half duplex • Distance: max 1200 m • LED displays
Scope of delivery	Outdoor Power Supply	RS-485 Matrix	RS-485 Repeater	Converter

Article number	**TV8379**	**TV8473**	**TV8466**	**TV8467**

CCTV Monitors

The new ABUS Security-Center test monitor is the ideal tool for all video projects. The monitor is easy to transport and thus delivers wherever needed the desired measuring data - video image, voltage, line connectivity. A special highlight is the possibility to control PTZ cameras via the monitor. This makes adjustments for different positions a lot easier.

They thought of everything!
The test monitor comes with an extensive set of accessories. Besides the protective cover, bag, shoulder/ neck/wrist straps for easy transport, it also comes with connection terminals, sensors and video cables including BNC cable.

	3.5“ Test Monitor
Article number	**TVAC10100**
Resolution	320 x 240
Video system	PAL / NTSC
Signal detection	Automatic
Contrast ratio	350:1
Brightness	300 cd/m²
Color levels	16.7 million
Viewing angle	120 (H) x 100 (V)
Response time	25 ms
OSD menu	Graphic OSD
Inputs/Outputs	Inputs: BNC, Audio, RS-485, cable1, cable2 Outputs: BNC
Housing material	Plastic
Power supply	9 V, power consumption 400 mA
Dimensions (W x H x D)	156 x 90 x 38 mm

NEW

- Measurement of AC/DC voltage and video signal
- Continuity measurement
- PTZ dome control (Pelco D/P)
- Graphical on-screen display
- BNC loop-through output
- Battery operation approx. 4 hours

Scope of delivery: Test monitor with battery, protective cover, bag, connection terminals, power supply, sensor, video cables including 1 m BNC cable, neck strap, shoulder strap, wrist strap

Article number	**TVAC10100**	**TVAC10150 (replacement battery)**

	8“ TFT CCTV color monitor
Article number	**TV8181**
Monitor type	Active matrix TFT LCD panel
Image format	4:3
Resolution	800 (H) x 600 (V)
Contrast ratio	500:1
Brightness	300 cd/m²
Color levels	16.7 million
Viewing angle	140° (H) x 140° (V)
Response time	10/15 ms (Tr/Tf)
Inputs/Outputs	Inputs: 2x BNC, 1x S-Video, 2x audio, outputs: 2x BNC , 1x audio
Power supply	12 V DC
Dimensions (W x H x D)	192 x 175 x 28 mm
Scope of delivery	Monitor, table stand, power supply

- Contrast-rich TFT LCD color monitor
- Response time of 10/15 ms (Tr/Tf)
- Multilingual OSD for intuitive menu guidance
- Compact, stable housing with metal frame
- Automatic signal detection

Article number	**TV8181**

	CRT Color Monitors
Article number	**TV8151, TV8152**

Product features

- High resolution for extremely clear video surveillance
- Manual 3-way switch
- BNC loop-through input
- Integrated speaker
- Robust stackable housing

Scope of delivery CRT monitor, power supply cable

Required accessories -

Optional accessories Cameras (p. 8-49), recorders (p. 72-99), video cable (p. 66-67)

Screen diagonal	14“	15“
Resolution	400 TVL	800 TVL
OSD menu	Multilingual OSD	Multilingual OSD
Inputs	1x BNC, 1x Y/C (toggle switch on back side)	2x BNC, 1x Y/C (3-step toggle switch on front side)
Outputs	1x BNC, 1x Y/C	2x BNC, 1x Y/C
Speaker	1x RCA-IN, 1x RCA-OUT	3x RCA-In, 3x RCA-Out
Housing material	Rugged metal housing (stackable)	Rugged metal housing (stackable)
Power supply	100-240 V AC (max. 65 W)	100-240 V AC (max. 95 W)
Operating temperature	-10° C to +50° C	-10° C to +50° C
Humidity	15 to 90%	15 to 90%
Dimensions (W x H x D)	350 x 350 x 360 mm	368 x 361 x 376 mm
Weight	14.0 kg	15.0 kg

Article number	**TV8151**	**TV8152**

Optional accessories

Digital quad processor

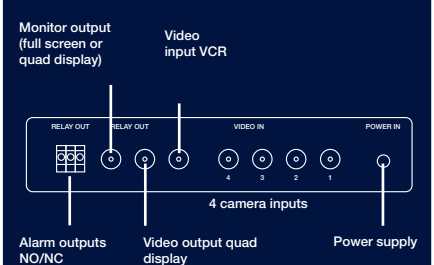
- Full quad display in real time for 4 cameras
- Motion sensor for every channel
- Plug & Play
- Microprocessor technology
- Built-in sounder
- User-friendly OSD
- 2 x 2 zoom in playback mode
- Freeze function
- Autom. video failure detection with alarm function and monitor display
- Display: Quad, Full, PIP, Auto-Sequential, Playback
- Relay output
- Event memory for 40 alarm events

Scope of delivery: Quad, power supply

Article-nr.: **TV8239**

The quad processors can display the images from several cameras on one monitor. They are also equipped with alarm inputs and cameras can be assigned to these inputs. In the event of an alarm, the corresponding section is displayed in full-screen mode on the monitor and the recording is started.

All inputs and outputs are orderly placed on the back side.



CCTV Monitors

This monitor is a looker

- Robust plastic frame
- High resolution and contrast ratio 1000:1
- 3D comb filter for soft and clear pictures without distracting artifacts
- Graphical OSD for easy setting adjustments
- Alarm functions such as pop-up when alarm is triggered
- HDMI input for multimedia data
- 4 BNC inputs

The Profiline monitors are real lookers. Not only because of their stunning design, but above all because of their excellent image quality. With soft, clear, and contrast-rich display, and without distracting flicker, this monitor prevents eye fatigue. An important argument, especially for continuous live surveillance. With a plethora of connections including 4x BNC and HDMI as well as intelligent alarm functions and status monitoring, this monitor is the multitalent in the field of demanding video surveillance.

With an abundance of inputs and interfaces, the Profiline TFT quad monitor can be used in various surveillance solutions and you are completely flexible when you set up your video system. Beside four BNC In and Out, the monitor has Audio In, DC, VGA, and four alarm inputs. A special highlight is the HDMI input for multimedia data.

CCTV Monitors

	TFT Monitors		TFT Monitors PROFILINE®	
Article number	**TVAC10010, TVAC10020**		**TVAC50020, TVAC50030**	
Product features	• Quick response time (5 ms) • High resolution: 1280 x 1024 pixels • Graphical on-screen display (OSD) • Integrated speaker • 16.2 million colors		• Integrated quad processor • Pop-Up when alarm is triggered • High brightness (500 cd/m²) • 4 BNC and 4 alarm inputs • HDMI and VGA input • Blue status light	
Scope of delivery	Monitor, power supply, manual on CD		Monitor, power supply, VGA cable, HDMI cable, DHMI/DVI cable, manual on CD	
Required accessories	-		-	
Optional accessories	Wall mounting bracket TVAC10500 (see on the right)		Wall mounting bracket TVAC10500 (see on the right)	
Type	17“ TFT	19“ TFT	19“ TFT Quad	22“ TFT Quad
Resolution	1280 (H) x 1024 (V) SXGA		1280 (H) x 1024 (V) SXGA	1680 x 1050 (WSXGA+)
Pixel distance	0.264 (H) x 0.264 (V) mm	0.294 (H) x 0.294 (V) mm	0.294 (H) x 0.294 (V) mm	
Image format	4:3	4:3	4:3	16:10
Video system	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC
Comb filter	2D	2D	3D	3D
Signal detection	Automatic	Automatic	Automatic	Automatic
Contrast ratio	800:1	800:1	1000:1	1000:1
Brightness	250 cd/m²	250 cd/m²	500 cd/m²	500 cd/m²
Color levels	16.2 million		16.2 million	16.7 million
Viewing angle	150° (H) x 130° (V)	170° (H) x 160° (V)	170° (H) x 170° (V)	
Response time	5 ms	5 ms	5 ms	5 ms
Menu	OSD	OSD	Graphical OSD	
Inputs/outputs	Inputs: 1x VGA, 1x BNC, 1x Audio Outputs: 1x BNC, 1x Audio		Inputs: 4x BNC, 1x VGA, 1x HDMI, 1x Audio, 4x Alarm Outputs: 4x BNC	
Speaker	Integrated, 2 x 0.5 W		Integrated, 2 x 2 W	
Power supply	12 V DC	12 V DC	12 V DC	12 V DC
Power consumption	33 W	33 W	60 W	60 W
Dimensions (W x H x D)	390 x 385 x 240 mm	425 x 415 x 240 mm	597 x 440 x 191 mm	560 x 480 x 210 mm
Functions			PIP, POP, Alarm Pop-Up	

Article number	**TVAC10010**	**TVAC10020**	**TVAC50020**	**TVAC50030**

Optional accessories:

Wall mounting bracket for CCTV monitors
- Convenient and stable wall mount for TFT monitors
- VESA compatible
- Suitable for monitors from 8“ up to 26“
- Load-carrying capacity max. 15 kg
- Flexibly adjustable joints
- Dimensions (W x H x D): 120 x 125 x 130 mm

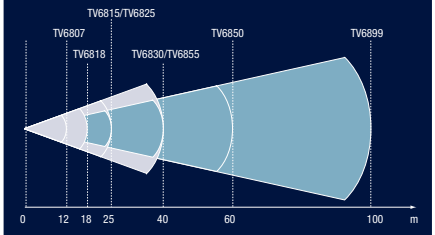
Article number: **TVAC10500**

Perform work and video surveillance on one monitor!

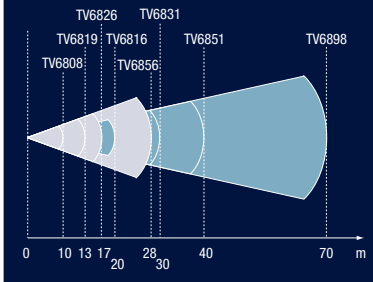
So far, normal work required a separate PC monitor besides the video surveillance monitor. Especially in cases where employees cannot fully devote themselves to surveillance (e.g., in hotels) this leads to a lack of overview. The new Profiline monitor has a switch for quickly jumping from PC mode to CCTV mode.

Infrared Illuminators

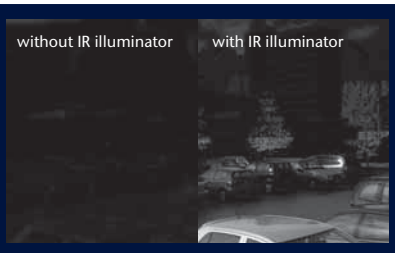
The LEDs optimally support your nighttime video surveillance and are suitable for B/W cameras as well as cameras with Day/ Night function. All illuminators are available as discreet and semidiscreet versions. The following diagrams show the beam angle and range of the MEGA LED series IR illuminators. Thus you can select exactly the right product for your situation and requirements.



Range at 0.01 lux - discreet illuminators



Range at 0.01 lux - semidiscreet illuminators



More light, better images.
IR illuminators are recommended for nighttime surveillance, especially if no conventional lighting exists. Pay attention to optimal fit of IR light to camera position when you set up your project.

	IR Illuminator MEGA LED S	IR Illuminator MEGA LED M
Article number	**TV6807, TV6815, TV6808, TV6816**	**TV6818, TV6830, TV6819, TV6831**
	Discreet or semidiscreet	Discreet or semidiscreet
Product features	• IR illuminators with 21 LEDs • Available as discreet (invisible to the human eye) and semidiscreet versions • Range up to 25m • IP66 for indoors and outdoors • Lifespan 50,000 hours	• IR illuminators with 56 LEDs • Available as discreet (invisible to the human eye) and semidiscreet versions • Range up to 40 m • Protection class IP66 • Lifespan 50,000 hours
Scope of delivery	IR illuminator	IR illuminator
Required accessories	Power supply (e.g., integrated power supply TVAC35200; p 70)	Power supply (e.g., integrated power supply TVAC35200; p. 70)
Optional accessories	Mount TV8339 (p. 59)	Mount TV8339 (p. 59)

Discreet/ semidiscreet	Semidiscreet		Discreet		Semidiscreet		Discreet	
Wavelength	880 nm		940 nm		880 nm		940 nm	
Number of LEDs	21	21	21	21	56	56	56	56
Range @ 0,01 lux	12 m	25 m	10 m	20 m	18 m	40 m	13 m	30 m
Range @ 0.1 lux	6 m	13 m	5 m	10 m	9 m	20 m	7 m	15 m
Beam angle hor./ver. in ° (+/-10%)	60/40	25/25	60/40	25/25	60/40	20/20	60/40	20/20
Max. object width/ height in m at 0,01 lux	6.0/4.1	5.4/5.4	4.0/2.7	4.3/4.3	9.0/6.2	6.9/6.9	6.5/4.4	5.2/5.2
Max. object width/ height in m at 0.1 lux	3,0/2,1	2,8/2,8	2,0/1,4	2,2/2,2	4,5/3,1	3,5/3,5	3,5/2,4	2,6/2,6
Activation	< 2 lux				< 2 lux			
Housing material	Aluminum				Aluminum			
Mount	1/4“ tripod socket				1/4“ tripod socket			
Power consumption	max. 350 mA				max. 810 mA			
Power supply	12 V DC				12 V DC			
Operating temperature	from -30° C to +40° C				from -30° C to +40° C			
Dimensions (W x H x D)	71 x 38 x 48 mm				96 x 76 x 48 mm			
Weight	0.245 kg				0.51 kg			

Article number	**TV6807**	**TV6815**	**TV6808**	**TV6816**	**TV6818**	**TV6830**	**TV6819**	**TV6831**

Infrared Illuminators

	IR Illuminator MEGA LED L	IR Illuminator MEGA LED XL	Mini IR Illuminator
Article number	**TV6825, TV6850, TV6826, TV6851**	**TV6855, TV6899, TV6856, TV6898**	**TV6700**
	Discreet or semidiscreet	Discreet or semidiscreet	
Product features	• IR illuminators with 98 LEDs • Available as discreet (invisible to the human eye) and semidiscreet versions • Range up to 60 m • Protection class IP66 • Lifespan 50,000 hours	• IR illuminators with 294 LEDs • Ideal for surveillance of larger areas (e.g., parking lots) • Available as discreet (invisible to the human eye) and semidiscreet versions • Range up to 100 m • Protection class IP66 • Lifespan 50,000 hours	• IR illuminators with 24 LEDs • Photo sensor, reacts to 10 lux rest light • Range up to 10 m • Beam angle 35° • Optical wavelength: 850 nm • Protection class IP67 • Directly attaches to camera
Scope of delivery	IR Illuminator	IR Illuminator	
Required accessories	Power supply (e.g., high-capacity power supply TV8376/TV8377; p 70)	Power supply (e.g., high-capacity power supply TV8378; p. 70))	
Optional accessories	Mount TV8339 (p. 59)	Mount TV8339 (p. 59), switch box TV6857 (see on the right)	
Article number			**TV6700**

Discreet/ semidiscreet	Semidiscreet		Discreet		Semidiscreet		Discreet	
Wavelength	880 nm		940 nm		880 nm		940 nm	
Number of LEDs	98	98	98	98	294	294	294	294
Range @ 0,01 lux	25 m	60 m	17 m	40 m	40 m	100 m	28 m	70 m
Range @ 0.1 lux	13 m	30 m	9 m	20 m	20 m	50 m	14 m	35 m
Beam angle hor./ver. in ° (+/-10%)	60/40	20/20	60/40	20/20	60/40	20/20	60/40	20/20
Max. object width/ height at 0,01 lux	12.5/8.6	10.4/10.4	8.5/5.8	6.9/6.9	20.0/13.7	17.4/17.4	14.0/9.6	12.2/12.2
Max. object width/ height at 0.1 lux	6.5/4.4	5.2/5.2	4.5/3.1	3.5/3.5	10.0/6.8	8.7/8.7	7.0/4.8	6.1/6.1
Activation	< 2 lux				< 2 lux			
Housing material	Aluminum				Aluminum			
Mount	1/4“ tripod socket				M6 thread			
Power consumption	max. 1500 mA				max. 3900 mA			
Power supply	12 V DC				12 V DC			
Operating temperature	from -30° C to +40° C				from -30° C to +40° C			
Dimensions (W x H x D)	110 x 100 x 51 mm				200 x 134 x 64 mm			
Weight	0.75 kg				1.5 kg			
Article number	**TV6825**	**TV6850**	**TV6826**	**TV6851**	**TV6855**	**TV6899**	**TV6856**	**TV6898**

Optional accessories:

VdS mount for IR illuminator

- 1/4“ tripod screw
- Max. load-bearing capacity: 6 kg (VdS cert.: 0.8 kg)

Article number: TV8339

Installation examples

Day/night switch box for IR Illuminator MEGA LED

- Photo sensor activates Mega LED XL below 10 lux
- Power supply: 12 V DC
- Max. switching current: 8 A
- Protection class: IP66
- Dimensions (W x H x D): 105 x 58 x 35 mm

Article number: TV6857

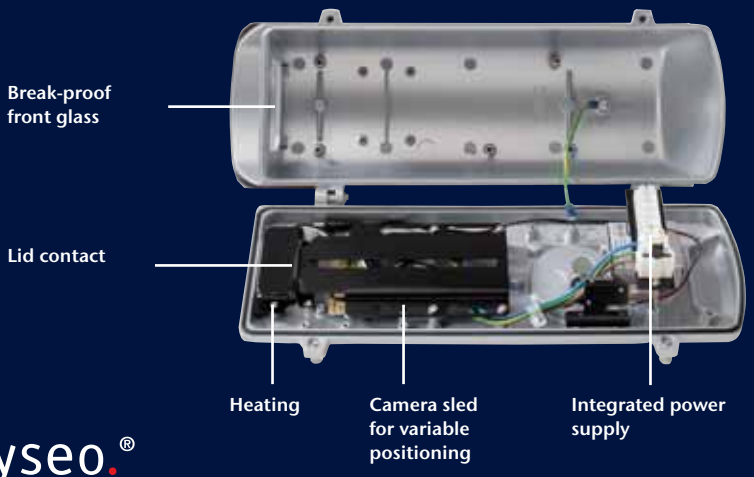
Outdoor housing PROFILINE®

only TV8493

The world's first VdS-certified outdoor housing

- Protection class IP67
- Break-proof front glass
- Extra stable die-cast housing
- Side opening for quick installation of the camera
- Contortion protection due to the inbus screws and toothed rotating wheel
- Completely internal cable routing
- Tamper switch
- Incl. 230 V AC heating, optionally with fan and power supply

The world's first VdS-certified outdoor housing provides your cameras with optimal protection even under the most adverse environmental conditions. The ultra-rugged, silver housing not only protects the camera from every kind of weather, but also from vandalism and manipulation.



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Due to interlocked rotary wheel and completely internally cable routing even through movable parts, the outdoor housing offers perfect protection against manipulation. A clever inbus screw connection and a lid contact complete the safety concept.

Perfect perimeter protection with the outdoor housing. Due to integrated heating and fan, the housing resists even the harshest weather including wind, rain, snow, and sun.

Easy assembly is a prime feature of the outdoor housing. An optional integrated power supply ensures clean supply of electricity. The lid allows to easily position the camera on the camera sled.

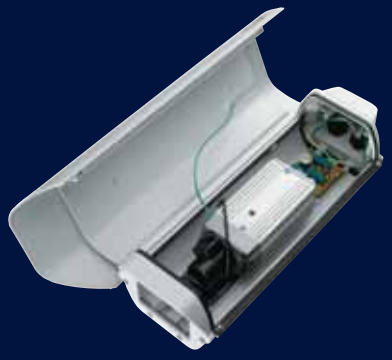
Outdoor housing PROFILINE®

	Outdoor housing PROFILINE®		
Article number	**TV8493, TV8494, TV8495**		
Material type	Die-cast aluminum	Die-cast aluminum	Die-cast aluminum
Cable routing	internal	internal	internal
Sabotage protection	Lid contact	Lid contact	Lid contact
Operating temperature	from -20° C to +50° C	from -20° C to +50° C	from -20° C to +50° C
Dimensions (W x H x D), weight	154 x 123 x 410 mm (without bracket)	154 x 123 x 410 mm (without bracket)	154 x 123 x 410 mm (without bracket)
Power supply	-	built-in 12 V DC, 800 mA (gross)	built-in 12 V DC (3.5 A; gross)
Heating/fan	230 V AC / -	230 V AC / -	12 V DC / yes
Protection class	IP67	IP67	IP54
VdS No.	V108002	-	-
Article number	**TV8493**	**TV8494**	**TV8495**

	Sun shield „Silver Light“	Pole Mount	Corner Mount	Ceiling Mount
Article number	**TV8499**	**TV8496**	**TV8497**	**TV8498**
	Installation example			Installation example
Product features	• Higher reflection for better heat dispersion • Powder-coated die-cast aluminum • Variable positioning • Dimensions (W x H x D): 135 x 60 x 390 mm	• For attaching the outdoor housing to poles and bars • Die-cast aluminum • Dimensions (W x H x D): 120 x 120 x 20 mm • Weight: 0.4 kg	• For mounting the outdoor housing into corners • Die-cast aluminum • Dimensions (W x H x D): 120 x 120 x 75 mm • Weight: 0.4 kg	• Secure ceiling mount • Extra stable stainless steel construction • Interior cable duct • Dimensions (W x H x D): 140 x 400 x 180 mm
Scope of delivery	Sun shield	Pole mount, pole clamps (2 x 83 - 178 mm, 1 x 64 - 127 mm)	Corner Mount	Ceiling Mount
Article number	**TV8499**	**TV8496**	**TV8497**	**TV8498**

Outdoor housing

The handy lid allows for quick and easy installation and cabling of your cameras in their housing. Then you'll say: case closed, camera secure. This way, the outdoor cameras are protected from rain and cold and can provide reliable service. Integrated into the weatherproof aluminum housing is a 230 V AC heater with thermostat. The heater ensures that the window pane of the outdoor housing cannot fog up or collect condensation. The result: clear images in all weather conditions.



Housing closed, camera secure.

WLAN camera in housing | WLAN router | Internet/ LAN

WLAN cameras can also be placed in the rugged housing (TV5730). The external antenna allows for wireless transmission of video data. Thus, you can easily set up WLAN-based IP video surveillance outdoors as well.

Outdoor housing

Article number	**TV8350, TV8351**	

Product features	• Weatherproof, painted aluminum housing • Flap lid for convenient installation • Integrated 230 V AC heating with thermostat • Protection class: IP66 • Dimensions (W x H x D): 140 x 110 x 360/400 mm (available in 2 lengths) • Weight: 1.3 kg	
Scope of delivery	Outdoor housing	
Length	**360 mm**	**400 mm**
Article number	**TV8350**	**TV8351**

Wireless Outdoor housing

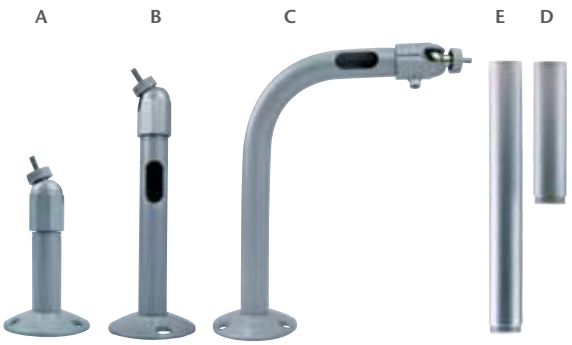
Article number	**TV5730, TV5731**	

Product features	• Wireless outdoor surveillance • Long range • Integrated heating for clear view at all times • Protection class: IP66 • Antenna: 0 dB • Dimensions (W x H x D): 140 x 110 x 400 mm	
Scope of delivery	Outdoor housing, antenna, cable, camera mount, 12 V DC/1A in-wall power supply	
Wireless frequency	**2.4 GHz (suitable for WLAN)**	**5.8 GHz**
Article number	**TV5730**	**TV5731**

Camera mounts

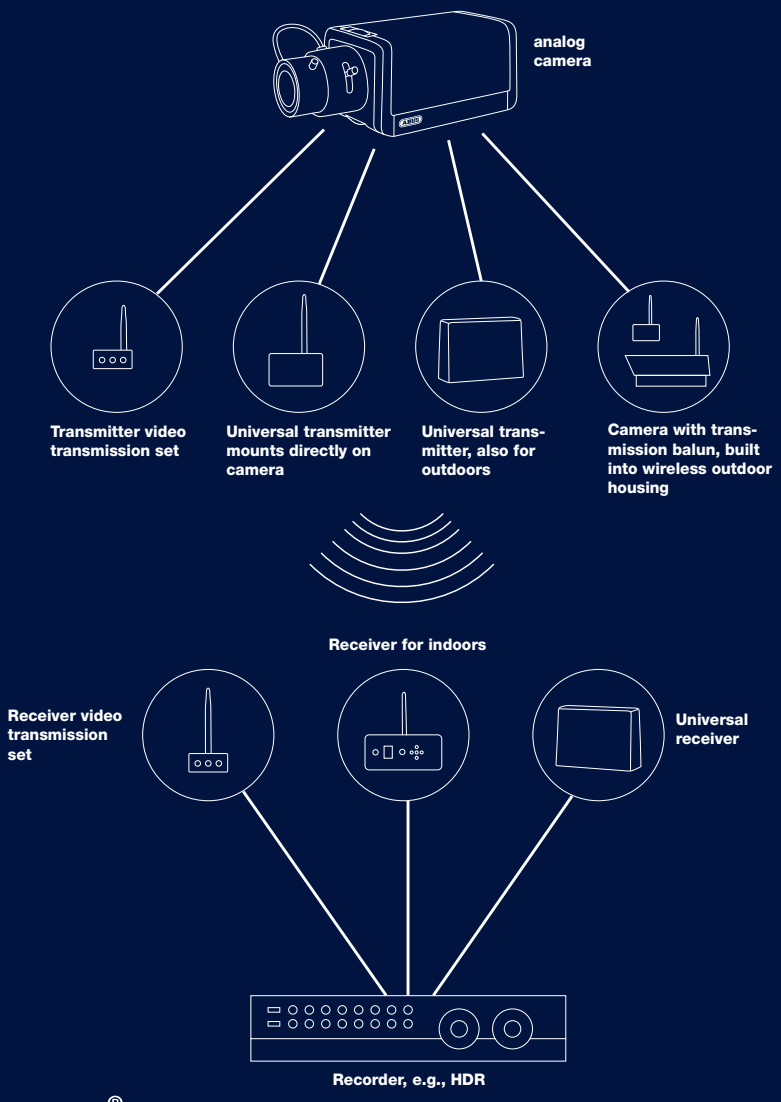
	Wall mount for outdoor housing	VdS mount for cameras
Article number	**TV8352**	**TV8339**
Product features	• Matching wall mount for TV8350 and TV8351 • Load-bearing capacity: 10 kg • Horiz./vert. Positioning adjustments: 360°/45° • Partially concealed cable routing • Dimensions (W x H x D): 75 x 115 x 230 mm	• 1/4“ tripod screw • Max. load-bearing capacity: 6 kg (VdS certified: 0.8 kg) • Flexible installation: Wall and ceiling • For indoor and outdoor use • Interior cable duct • Dimensions (W x H x D): 64 x 186 x 89 mm • VdS No: V 105001
Scope of delivery	Wall mount	Camera mount
Article number	**TV8352**	**TV8339**

	Camera mounts
Article number	**TV8390, TV8391, TV8392, TV8393, TV8394**
Product features	• Elegant aluminum brackets • Load-bearing capacity: 4 kg • Internal cable routing possible • 360° ball head with quick connect • 1/4“ tripod screw • Flexible installation due combinable brackets and extensions
Image description	A) camera mount 125 mm B) camera mount 215 mm C) bent camera mount 250 x 160 mm D) extension 100 mm E) extension 200 mm



Type	A	B	C	D	E
Article number	**TV8390**	**TV8391**	**TV8392**	**TV8393**	**TV8394**

Wireless video systems


analog camera
Transmitter video transmission set
Universal transmitter mounts directly on camera
Universal transmitter, also for outdoors
Camera with transmission balun, built into wireless outdoor housing
Receiver for indoors
Receiver video transmission set
Universal receiver
Recorder, e.g., HDR

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Wireless video surveillance

- Wireless transmission of video signals
- Video surveillance where no cables can be routed
- Flexible solutions for every situation
- Also suitable for WLAN
- Internal camera and external transmitter/receiver allow for long-range transmission without signal loss due to walls

Video signals are transmitted wirelessly whenever cable routing is unwanted or impossible. Transmission occurs toll-free in the HF radio band at 2.4 GHz or 5.8 GHz. The high-quality wireless transmission systems from ABUS Security-Center achieve ranges of up to 2200 meters outdoors and 125 meters indoors.

Cabling is often impossible due to site-specific circumstances or it would be extremely difficult, as for example on industrial sites, construction sites, or for short-to-medium term surveillance setups. Under suitable conditions, wireless transmission can be an effective solution.

For video systems in private households, cabling is especially undesirable, because there are no cable ducts or suspended ceilings. Wireless transmission is thus used for retrofitting private households or small objects.

Company headquarters are often spatially separated from storage and logistics facilities, sometimes even by streets. The option to mount receivers and transmitters outside allows you to span distances up to 2.2 km.

Wireless video systems

Wireless Outdoor Housing

Article number	**TV5730, TV5731**
Product features	• Weatherproof, painted aluminum housing • Protection class IP66 • Integrated 230 V AC heating with thermostat down to -20 C • Antenna: 0 dB • Power supply 230 V AC • Dimensions (W x H x D): 140 x 110 x 400 mm
Scope of delivery	Outdoor housing, antenna, cable, camera mount, 12 V DC/1 A internal power supply

Wireless frequency	2.4 GHz	5.8 GHz
Application	for WLAN cameras and conventional cameras with universal radio transmitter TV5722	for wireless cameras and conventional cameras with universal radio transmitter TV5723
Article number	**TV5730**	**TV5731**

Optional accessories for WLAN:

Omnidirectional antenna 6 dB

- External antenna for WLAN outdoor housing
- Frequency: 2,4 GHz
- Protection class IP65
- Antenna gain up to 6 dBi
- Opening angle: 30° vertical, 360° horizontal

Article number: TV5735

Antenna cable

- Suitable for TV5735
- Weatherproof material
- Individual positioning of the antenna
- Insertion loss 1 dB
- Length: 1 m

Article number: TV5740

Video Transmission Set

Art.-No. TV8780, TV8781

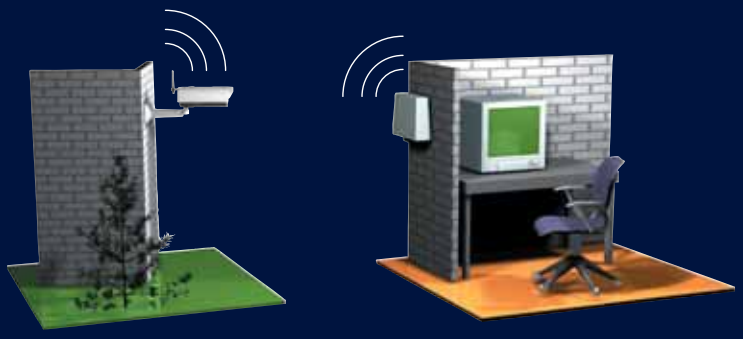
Frequency	2.4 GHz	5.8 GHz
Transmitting power	10 mW	25 mW
Antenna	Omnidirectional antennas (5dB, 3 dB)	Omnidirectional antennas 2x 5 dB
Channels	4	7
Inputs/outputs	Camera input/output: Cinch / 1 Vss / 74 ohms; audio: 2x cinch	
Output impedance	50 ohms / SMA connection	50 ohms / SMA connection
Signal-to-noise ratio	45 dB	45 dB
Differential amplification / phase	± 2% / ± 5°	± 2% / ± 5°
Input signal range	-85 ~ -10 dBm	-85 ~ -10 dBm
Transmission range	max. 30m unobstructed, max. 12 m inside buildings	max. 50 m unobstructed, max. 8 m inside buildings
Power consumption	max. 300 mA	max. 300 mA
Power supply	12 V DC	12 V DC
Dimensions (W x H x D)	92 x 30 x 110 mm	92 x 30 x 110 mm
Article number	**TV8780**	**TV8781**

- Wireless transmission of video and audio signals
- Ideal for short to medium distances
- Audio output/input: 2x cinch
- Additional power antenna

Scope of delivery: Set consisting of transmitter and receiver, two antennas, two power supply units

Wireless transmission

Typical application examples of wireless video surveillance solutions:



Camera in wireless outdoor housing with universal outdoor wireless receiver.

Standard camera plus universal wireless transmitter with indoor wireless multi receiver.

	2.4GHz	5,8GHz
Max. transmitting power	10 mW EIRP	25 mW EIRP
Radio licensing	DE. A, CH, NL, BE, LU, FR	
Number of channels	5	16
Number of parallel transmitters on the same frequency	3	6
Indoor range	50-125 m*	30-70 m*
Outdoor range	500-1,200 m*	500-2200 m*

*Ranges are subject to environmental conditions; The range can possibly be smaller.

The correct frequency for every situation

For choosing between the two possible wireless frequencies it is important to consider the different ranges and the number of transmitters that can be simultaneously operated on the same frequency. This table shows that the 2.4 GHz frequency has longer ranges indoors. The 5.8 GHz systems have longer outdoor ranges. The reason for this is the different penetrability of walls for wireless waves of different frequencies. The number of 2.4 GHz transmitters operating in parallel is limited to 3 . In the 5.8 GHz band, up to 6 transmitters can operate in parallel. If you combine the two frequencies (2.4 GHz and 5.8 GHz) in one object, then 9 transmitters (three times 2.4 GHz plus 6 times 5.8 GHz) can be operated simultaneously.

	Camera Universal Wireless Transmitter	Universal Wireless Transmitter
Article number	**TV5722, TV5723**	**TV5720, TV5721**
Product features	• Easily installs directly on every camera • For use indoors and outdoors (in the wireless outdoor housing) • Wireless transmission of video signals - max. 3 (2.4 GHz) and/or 6 (5.8 GHz) cameras simultaneously • Long range (depending on model and environment up to 500 m) • Dimensions (W x H x D): 65 x 37 x 45 mm (without antenna)	• For indoor and outdoor use, protection class IP54 • Transmission of video and audio signals • Long range • Channel selector switch with display • Alarm input • Video image inversion • Dimensions (HxWxD): 180 x 120 x 70 mm
Scope of delivery	Universal Wireless Transmitter	Wireless transmitter, power supply, pole mounting bracket

Frequency	2,4 GHz	5,8 GHz	2,4 GHz	5,8 GHz
Possible channels	5	16	5	16
Article number	**TV5722**	**TV5723**	**TV5720**	**TV5721**

Wireless transmission

	Indoor wireless receiver	Universal wireless receiver
Article number	**TV5710, TV5711**	**TV5741, TV5742**

Product features	• Wirelessly receives video data and passes them on to recorder or monitor • For indoor use, protection class IP30 • Channel switch and display • Transistor alarm output • High reception performance via 2x SMA antenna • OSD with text and date	• For indoor and outdoor use, IP54 • Reception of video and audio signals • Video image inversion • Alarm output • Channel selector switch with display • Audio reception in stereo • 0 dB omnidirectional antenna
Scope of delivery	Wireless receiver, power supply	Wireless receiver, power supply, pole mounting bracket

Frequency	2,4 GHz	5,8 GHz	2,4 GHz	5,8 GHz
Possible channels	5	16	5	16
Article number	**TV5710**	**TV5711**	**TV5741**	**TV5742**

	Power antenna
Article number	**TV5712, TV5736, TV5713, TV5737**

Product features	• For connection to universal wireless receiver • Amplifies the received video signal and thus increases the range • Reception gain up to 23 dB • Protection class IP65, UV-stable • Wind load: 5.3 N (140 km/h) • Opening angle horizontal/vertical: 35° each • SMA plug connection
Scope of delivery	Power antenna, cable, wall mounting bracket and pole mounting bracket

Frequency	2,4 GHz	2,4 GHz	5,8 GHz	5,8 GHz
Reception gain	8 dB	18 dB	15 dB	23 dB
Article number	**TV5712**	**TV5736**	**TV5713**	**TV5737**

Optional accessories:

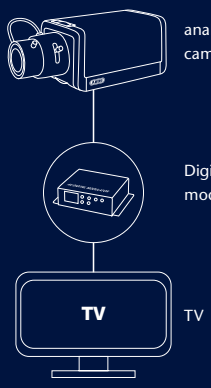
Antenna cable

- For connecting the power antenna to the wireless universal receiver
- Weatherproof material
- Adjustable antenna
- Connection: SMA-SMA

Length	1 m	2 m
Article number:	**TV5738**	**TV5739**

Signal transmission

With the digital UHF modulator, you can convert video signals into HF signals for your television. The modulator can be adjusted to VHF channels 14-69 or cable channels 65-135. The digital amplification circuit even allows you to feed into larger antenna systems (e.g. multi-family houses).



Signals can also be transmitted via LAN cabling. With analogue CCTV cameras, you also need the Eyseo IP dual stream video server which converts the analog image data into network-compatible streams. More on p. 16

	Digital VHF modulator	BNC-VGA converter
Article number	**TV8682**	**TVAC20000**
Product features	• Converts video and audio signals into HF signals • Cinch video and audio input • HF output (F-connector plug): 90 dBµV min • Transmission range: 470-883 MHz • Operating voltage: 9-12 V DC/0.3A • Dimensions (W x H x D): 75 x 25 x 64 mm	• BNC and S-Video signal is converted to VGA signal • Max. resolution 1280 x 1024 pixels • Freeze-frame option • Manual switch-over between input signals • Plug & Play
Scope of delivery	VHF modulator, power supply	BNC-VGA Converter, power supply, S-Video cable, VGA cable
Article number	**TV8682**	**TVAC20000**

	1,000 m signal amplifier	4x signal distributor
Article number	**TV8725**	**TV8726**
Product features	• Allows the loss-free transmission via coax cables • Max. 1,000 m cable length (RG59) • 1 video input to 2 video outputs (BNC/1 Vss) • Adjustable image sharpness and brightness • Suitable for PAL and NTSC	• Lossless transmission of a video signal to four monitors • 1 video input (BNC/1 Vss) • 4 video outputs • Suitable for PAL and NTSC • Dim. (W x H x D): 137 x 27 x 65 mm
Scope of delivery	Signal amplifier, 12 V DC power supply	Signal distributor, 12 V DC power supply -also suitable for 24 V AC
Article number	**TV8725**	**TV8726**

Signal transmission

	Passive VGA Transmission Set	Active VGA Transmission Set	S-Video Transmission Set
Article number	**TV8760**	**TV8761**	**TV8750**
Product features	• Multiple applications: LCD projector systems, laptops, VGA monitors • Transmission distance up to 135 m (depending on image resolution) • Reflection loss: Max.15 dB with DC up to 60 MHz • Video input/video output: VGA DSUB connector / RJ-45 connector	• Transmits VGA data from PC to monitors/projectors/laptops, etc. • Loop-through VGA output on the transmission module for local monitor • Max. resolution: 1600 x 1200 @ 85 Hz • Max. 300 m transmission range for all resolutions • Recommended cable: 4-pair CAT5/UTP	• Video input/video output: S-Video connector • Video and audio input / video and audio output: RJ-45 connector • Transmission distance max. 300 m • Bandwidth (video): DC to 8 MHz (480 l / 480 p) • Recommended cable: CAT5 / UTP
Scope of delivery	Transmitter, receiver	Transmitter, receiver, 2 power supplies	Transmitter, receiver
Article number	**TV8760**	**TV8761**	**TV8750**

	600 m 2-wire Transmission Set	1.5 km 2-wire Transmission Set	RGB/CVB Transmission Set
Article number	**TV8740**	**TV8720**	**TV8770**
Product features	• 1x BNC plug 1 Vss (75 ohms) • 1x RJ-45 socket (100 ohms) • Max. 600 m transmission distance • Suitable cable: Twisted pair / CAT5 • Dimensions (W x H x D): 19 x 23 x 66 mm	• Video input/video output: 1 Vss (75 ohms) • Cinch audio input/audio output • RS-485 DataIN/DataOUT • Alarm input/output (NO) • Transmission range: 100-1500 m • Dimensions (W x H x D): 110 x 24 x 77 mm each	• High-quality transmission of recordings due to separate cable for each primary color • Video input: 3 Cinch sockets (Y, Pb, Pr) • Video output: RJ-45 connector • Transmission distance , max. 300 m • Recommended cable: CAT5 / UTP
Scope of delivery	Transmitter, receiver, screw-terminal adapter	Transmitter, receiver, 2 power supplies (230 V AC/ 12 V DC/ 300 mA)	Transmitter, receiver
Article number	**TV8740**	**TV8720**	**TV8770**

Video cable

Coaxial (RG59) cable is the most cost-effective variant (besides network cables) for transmitting a video signal. The decisive advantage: almost all video surveillance devices have BNC connections. When transmitting with coax cables, you must take the power supply of the cameras into consideration. Usually, they run on 12 V DC. Since there is not always a network connection at the installation location, the combination video cable is a clever solution. In addition to the BNC connection for video data, it has two additional wires for the power supply.

2 wires for power supply

video cable

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Save time during the installation! With preassembled cables, there is no tiresome and time-consuming stripping, connecting, and crimping. Thus you have more time for the important aspects of your video project.

Preassembled BNC cable

Article number TVAC40000, TVAC40010, TVAC40020, TVAC40030, TV40040, TV AC40050

Product features

- High-quality manufactured cable
- BNC connectors on both ends
- Impedance: 75 ohms
- Attenuation: ≤0.32 dB/M (200 MHZ)
- Insulation resistance: ≤5000 MΩ/KM
- Outer diameter: 5.0 mm
- Operating temperature: -10° C - 70° C

Scope of delivery Preassembled BNC cable

Length	1 m	2 m	3 m	5 m	10 m	20 m
Article number	TVAC40000	TVAC40010	TVAC40020	TVAC40030	TVAC40040	TVAC40050

Preasembled video combination cable

Article number TVAC40110, TVAC40120, TVAC0130

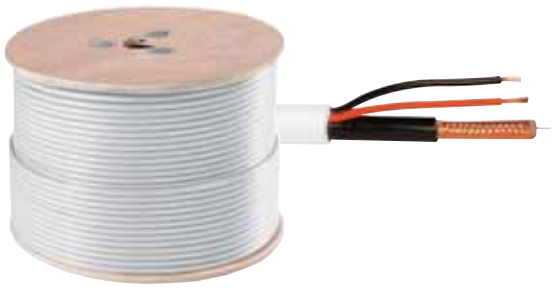
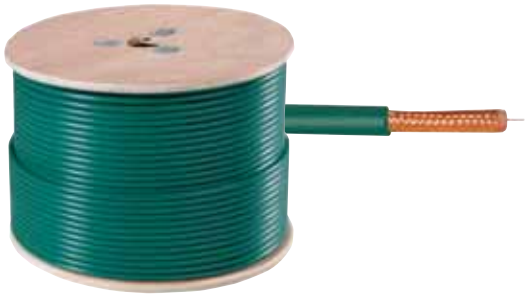
Product features

- Video signal and power supply combined in one cable
- Premanufactured BNC and DC connectors
- Suitable for all cameras with a BNC jack (female) and power connection (male)
- Insulation PE+PVC, insulation resistance ≤5000 MΩ/KM
- Attenuation ≤0.53 dB/M (200 MHZ)
- Outer diameter 6.0 mm

Scope of delivery Video combination cable, BNC coupling

Length	10 m	20 m	30 m
Article number	TVAC40110	TVAC40120	TVAC40130

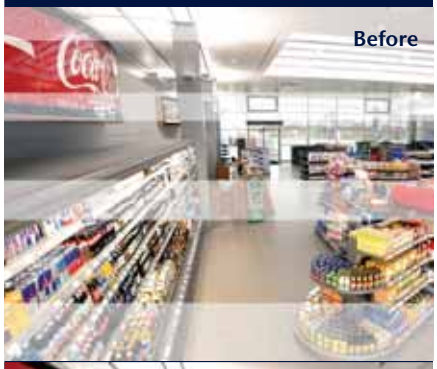
Video cable

	Video Combination Cable			RG59 Video Cable		
Article number	**KA9002, KA9001, KA9000**			**TV8602, TV8601, TV8600**		
						
Product features	• Only one cable for everything: Easier installation and time savings • Combination cable for video data and power supply • Coaxial cable, impedance 75 ohms • Power wires 2 x 0.75 mm² • Outer diameter: 9.80 mm • Insulation: 1.0 mm, insulation resistance: < 150 MOhm x km			• With flexible inner conductor • 75 ohms, type 0.6 L / • Insulation: 3.7 mm PE • Insulation resistance: 75 ohms • Outer insulation: PVC • Attenuation: 2.59 dB @ 5 MHz • Outer diameter: 6.10 mm		
Scope of delivery	Video combination cable roll			RG59 cable		
Length	**50 m**	**100 m**	**250 m**	**50 m**	**100 m**	**250 m**
Article number	**KA9002**	**KA9001**	**KA9000**	**TV8602**	**TV8601**	**TV8600**

	Video Triplex Cable			Mini RG59 Video Cable	
Article number	**TVAC40300, TV40310, TVAC40320**			**TVAC40200, TVAC40210**	
Product features	• Transmission of video data, power, and control signals • Integrated cabling RG59 + 2 x 0.75 mm² + 2 x 0.22 mm² • Weatherproof material, also for outdoor use • UV-resistant cable • Outer diameter 10.2 mm			• Mini RG-59 video cable of particularly small diameter • Ideal for difficult installations in small spaces • Indoor use • Impedance 75 ohms • PE insulation • Outer diameter 2.80 mm	
Scope of delivery	Video triplex cable			Mini RG59 cable	
Length	**50 Meter**	**100 Meter**	**250 Meter**	**50 Meter**	**100 Meter**
Article number	**TVAC40300**	**TVAC40310**	**TVAC40320**	**TVAC40200**	**TVAC40210**

Noise filter, surge protection

Different ground potentials can cause ground loops that, in turn, result in vertical roll, horizontally stretched or noisy images. When placed in front of the video input of the monitor or video processing device the noise filter can remedy this problem. It is capable of balancing the different potentials in order to prevent faults in the LF and HF range.



Reliably and cost-effectively protect your cameras and digital recorders against excessively high voltages (e.g. lightning strike or static discharge). This way you avoid defects in expensive devices.

Video noise filter

Article number TV8727

Product features

- Prevents video noise by balancing out differences in potential
- Connected between camera and monitor and/or the connecting cable
- BNC video input: 1 Vss (75 ohms)
- BNC video output: 1 Vss (75 ohms)
- Input loss 0.5 dB
- Frequency response 0 - 3 dB at 10 MHz
- 2 x 15 cm video cable

Scope of delivery Video noise filter

Article number TV8727

Surge protection

Article number TV8728

Product features

- Protects cameras and recorders against overvoltages
- Easy installation on cable connection, BNC connector
- Quick response time of 1 ns
- Maximum overvoltage: 4kV
- Insulation resistance: 10,000 MΩ
- Short-circuit resistance: 0 Ω
- Attenuation: < 0.2 dB
- Stopband attenuation: 16 dB (75 ohms)

Scope of delivery Surge protection

Article number TV8728

Plugs

	BNC crimp plug	BNC angled crimp plug	BNC coupling	BNC T distributor	BNC-RCA adapter
Article number	**TVAC40600**	**TVAC40610**	**TVAC40620**	**TVAC40630**	**TVAC40640**
Product features	• BNC crimp plug for video line RG58/59 • 75 ohms • With high-quality gold pin • Nickel-plated	• Screw quick connect • For getting around corners and edges	• Perfect connection between two BNC cables • BNC coupling for video cable • High-quality material	• BNC T-connector for video cable • With gold pin • 75 ohms • Nickel-plated	• Plug-in connector to convert from BNC to Cinch • Contact type: BNC (male) - RCA (female)
Scope of delivery	BNC crimp plug	BNC angled crimp plug	BNC coupling	BNC T-connector	BNC-RCA adapter
Article number	**TVAC40600**	**TVAC40610**	**TVAC40620**	**TVAC40630**	**TVAC40640**

	BNC Cinch coupling	Stripping pliers	Crimping pliers	Mini RG59 Crimp Plug
Article number	**TVAC40650**	**TV8614**	**TV8613**	**TVAC40500**
Product features	• Changes from BNC (female) to RCA (male) • Impedance: 75 ohms • Suited for indoor use	• Quick, safe stripping • Suitable for video cables • Insulation of the inner conductor up to 4 mm in length • Insulation of the outer conductor up to 12 mm in length	• Professional tool for crimping all types of crimp connections. • Suitable for different types of BNC crimp connectors • Ergonomic handle • High-quality material	• BNC crimp plug for Mini RG-59 cable • With gold-plated pin • Galvanized • Impedance: 75 ohms
Scope of delivery	BNC Cinch coupling	Stripping pliers	Crimping pliers	Mini RG59 Crimp Plug
Article number	**TVAC40650**	**TV8614**	**TV8613**	**TVAC40500**

Power supply

If you would like to provide power to several CCTV components, the CCTV high-performance power supply unit is the right choice. Eight separately fused outputs are at your disposal. The high-performance power supply is protected against overload and short circuits. Even in the event of a power failure, the components supplied by the CCTV power supply unit remain active: a 12 V / 7 Ah emergency battery takes over and supplies power in this case. Cable holes on the housing sides allow for neat cable routing. A lid switch protects against tampering.

If you want to set up mobile video surveillance when travelling or e.g., on international fairs, you need a flexible power supply. In this case, the plug-in power supply „International“ with the common four plug variants is the best choice.

	CCTV Performance Power Supply			24 V AC Outdoor Power Supply
Article number	**TV8376, TV8377, TV8378**			**TV8379**
Product features	• Transforms 230 V AC to 13.8 V DC • Suitable as central supply station for CCTV systems been suited • Room for a 12 V/7 Ah, emergency battery (BT2070) • Control LEDs for network and fuse			• 24 V AC power supply for outdoor applications • Electronic overload protection • Protected outputs • Protection class IP66
Scope of delivery	CCTV Performance Power Supply			Outdoor Power Supply
Rated current	2 A	3 A	5 A	4 A
Article number	**TV8367**	**TV8377**	**TV8378**	**TV8379**

	Plug-in Power Supply „International“	Mini Integrated Power Supply	CCTV Switching Power Supply 1500 mA
Article number	**TVAC35000**	**TVAC35200**	**TV7616**
Product features	• Flexible power supply for international use • 4 diff. connectors • 230 V AC/ 12 V DC, 1.5 A	• Stabilized Mini Switching Power Supply • Also ideal for installation in 55 mm in-wall switch boxes • Voltage: 230 V AC/ 12 V DC (1 A)	• Input voltage: 100-240 V AC • Output voltage: 12 V DC • Rated current: 1.5 A • Dimensions (W x H x D): 44 x 69 x 83 mm
Scope of delivery	Plug-in power supply, 4 different connectors	Mini integrated power supply	Plug-in power supply
Article number	**TVAC35000**	**TVAC35200**	**TV7616**

Tool case

	Security tool case
Article number	**WZ9500**

Product features

- Professional tool case
- High-quality tools
- Robust, lockable aluminum case
- For almost all applications of electronic security technology
- Tools - Made in Germany

1.	Compact level with magnet	**16.**	Safetyline VDE pipe wrench
2.	Control cabinet key	**17.**	Professional gas soldering iron 25-125 watts
3.	5 m pocket-sized measuring tape (19 mm wide)	**18.**	Universal insulating tape 15 x 10 - 10 diff. colors
4.	Safetyline VDE combination pliers	**19.**	Safety bit set
5.	Safetyline VDE telephone pliers	**20.**	Professional pen-sized multimeter (volts, amperes, Ω)
6.	Safetyline VDE stripping pliers	**21.**	10 pc. BNC crimp plug
7.	Cable cutter 200 mm	**22.**	Electronic side cutting pliers
8.	Jokari super insulation stripper	**23.**	Electronic needle-nosed pliers, curved
9.	VDE screwdriver set	**24.**	VDE electronic screwdriver set
10.	Voltage tester	**25.**	Rolled open-ended wrench (universal open-ended wrench)
11.	PUK pocket saw	**26.**	Cable knife
12.	Pin hex key set 9- pc.	**27.**	Twist drill for cable screws M12-32
13.	Hammer DIN 1041 ash 300 g	**28.**	Electronic flat-nosed pliers, straight
14.	Crimping pliers for BNC/TNC plugs	**29.**	Solder sucker
15.	Stripping tool for coax cable	**30.**	Jokari wire stripper

Article number **WZ9500**

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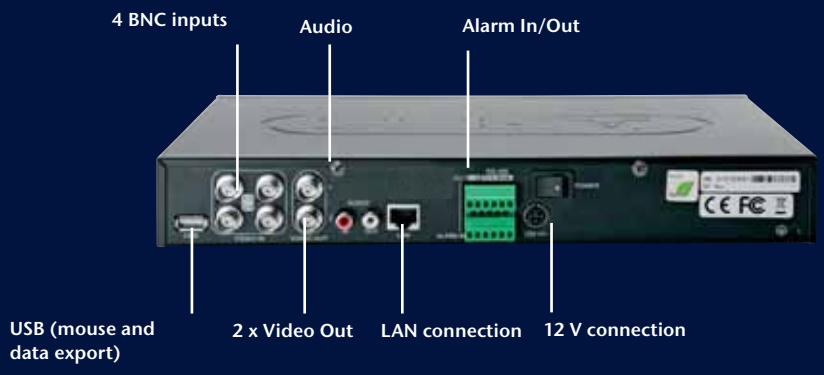
DIGITAL VIDEO RECORDERS

Recording perfection - for every dimension. Starting from mobile mini-recorders up to professional video surveillance systems. ABUS offers a unique portfolio for video recording solutions.

Eytron Video Surveillance Recorders



All in view and cheaper too

- Storage-efficient H.264 data compression
- Records video and audio
- Real-time recording (100fps@CIF)
- Multilingual user menu
- Built-in web server for easy worldwide network access
- Fast data backup via USB

Compact, effective, economical: The new 4-channel compact digital recorder delivers reliable, low-cost recording for smaller video projects. Even the entry-level model features intelligent alarm functions and 4-channel real-time recording. Particularly attractive are the two surveillance kits that come with one or four of the latest weatherproof IR mini outdoor cameras and matching cables ready for connection.

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For private or small retail use, four camera channels are usually enough to monitor the most important areas. You can either record continuously, using a programmable schedule, on motion detection or when an alarm is triggered. These modes allow also to find and watch particular recordings quickly after an event.

Eytron 4-channel Compact Digital Recorder

	4-channel Compact Digital Recorder
Article number	**TVVR30000**
Camera inputs	4 x BNC; views: 1 / 4
Compression	H.264, 6 compression levels
Operating mode	Triplex
Resolutions	Live: PAL: 704 x 576 (4CIF), Recording: PAL: 352 x 288 (CIF) @ 25 fps
Total frame rates	PAL: 100 fps
Alarm	Pre/post alarm storage 0~30 sec. / 5 - 600 sec., alarm via OSD display, acoustic signal and email
Storage	Storage medium 1 x SATA HDD, data backup: 1x USB 2.0
Control	Mouse, remote control, client software; PTZ control via RS485, Pelco D/P
Recording modes	Manual, Schedule, Motion Sensor, Alarm
Search modes	Event, Date & Time
Inputs/outputs	4 alarm inputs (NO/NC), 1 relay output, monitor: 1 x BNC, Spot: 1 x BNC
Network	RJ45 10/100 Mbit connection, simultaneous network access (24 users), functions: Live, Playback, Export, Settings; DDNS, NTP
Power supply	12 VDC / 3.3 A
Dimensions (W x H x D)	315 x 45 x 230 mm

Article number	**TVVR30000**

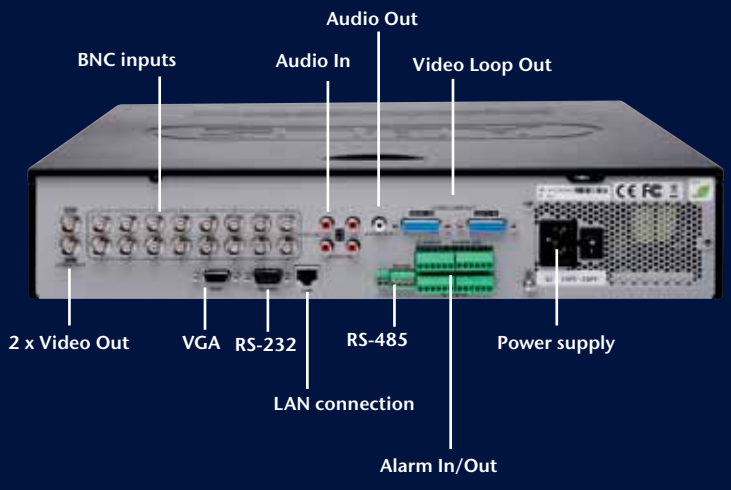
	Eytron Surveillance Kit with 1 camera	Eytron Surveillance Kit with 4 cameras
Article number	**TVVR30100**	**TVVR30400**
Product features	• Low-cost starter kit for analogue video surveillance • Complete kit comprising recorder, camera, connection cable and power supply • IR mini outdoor camera with 380 TV lines and 3.6 mm lens (53° hor. field of view) • See p. 33 for more information on the camera • Required accessorie: SATA hard drive (p. 81)	• Low-cost starter kit for analogue video surveillance • Complete kit comprising recorder and 4 cameras with 20 m connection cable and power supply per camera • IR mini outdoor camera with 380 TV lines and 3.6 mm lens (53° hor. field of view) • See p. 33 for more information on the camera • Required accessorie: SATA hard drive (p. 81)
Scope of delivery	4-channel compact digital recorder, IR mini outdoor camera TVCC40000, 20 m connection cable TVAC40120, international power supply TVAC35000	4-channel compact digital recorder, 4 IR mini outdoor camera TVCC40000, 4x 20 m connection cable TVAC40120, 4x international power supply TVAC35000

Article number	**TVVR30100**	**TVVR30400**

Eytron Video Surveillance Recorders

A true-blue hero!

- Records up to 16 channels of video and audio in real-time
- Status LED
- Integrated VGA connection
- Storage-efficient H.264 compression process
- PTZ control via RS485
- Alarm via acoustic signal



Always know what's going on. With the LED status you can see straight away whether a recording is being made or there is a fault. With this upper mid-range model you benefit from reliable recording technology and stable performance with a recording rate of up to 400 frames per second. You can store the image data on up to four SATA hard drives. To prevent your data from getting into the wrong hands, you can lock the recorder with a padlock or an anti-tamper seal.

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Innovation from ABUS: The status LED indicates whether the recorder is on standby (white), in surveillance mode (pulsing white), recording (blue) or has a fault (red). So you can see the status at a glance even when you are not at the monitor.

This DVR listens! With its four audio inputs, it can record different audio sources such as the hidden camera in the PIR TV7028/29. In playback mode the audio signal is automatically synchronised with the video source.

Everything's thought of! The new Eytron recorders can be integrated in a sophisticated security concept. Besides password protection we've also thought about mechanical data security. Anti-tamper seals and padlocks will make life difficult for data thieves.

Eytron Digital Recorder

	4-channel Digital Recorder	8-channel Digital Recorder	16-channel Digital Recorder
Article number	**TVVR40000**	**TVVR40010**	**TVVR40020**
Product features	• 4 camera inputs • Total frame rate: 100 fps • Status LED indicates recorder status • Storage-efficient H.264 data compression • Real-time recording • Records video and audio • For up to 4 SATA hard drives • Integrated VGA connection	• 8 camera inputs • Total frame rate: 200 fps • Status LED indicates recorder status • Storage-efficient H.264 data compression • Real-time recording • Records video and audio • For up to 4 SATA hard drives • Integrated VGA connection	• 16 camera inputs • Total frame rate: 400 fps • Status LED indicates recorder status • Storage-efficient H.264 data compression • Real-time recording • Records video and audio • For up to 4 SATA hard drives • Integrated VGA connection
Scope of delivery	Digital recorder, power cable, mouse, server cabinet handle, recorder software (on CD)		
Required accessories	SATA hard drives (p. 81)		
Optional accessories	Anti-tamper seals, recorder padlock, remote control, loop-through breakout cable, usb burner (p. 81), network cable (p. 17)		

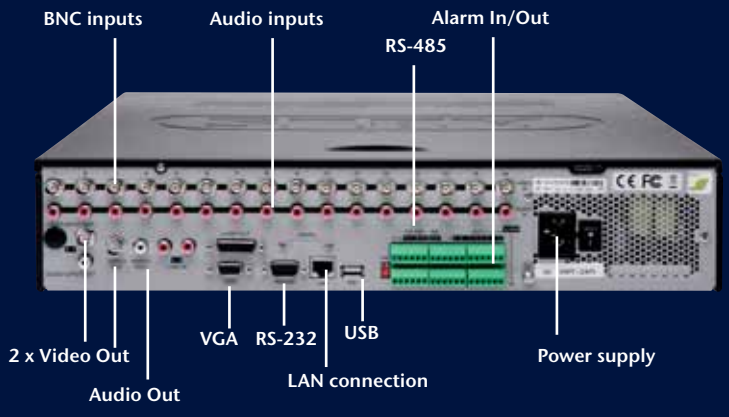
Camera inputs	4	8	16
Compression	H.264, 6 compression levels	H.264, 6 compression levels	H.264, 6 compression levels
Operating mode	Triplex	Triplex	Triplex
Resolutions	**Live**: PAL: 704x576 (4CIF), VGA: 1024x768/60 Hz, 1280x768/60 Hz; **Recording**: 352x288 (CIF)@25fps, 704x288 (2CIF)@16 fps, 704x576 (4CIF)@8 fps		**Live**: 704x576, VGA: 1024x768/60 Hz, 1280 x 768 / 60 Hz; **Recording**: 352x288 @25fps, 704x288@12 fps, 704x576@2 fps
Total frame rates	PAL: 100 fps	PAL: 200 fps	PAL: 400 fps
Alarm	Pre/post alarm storage 0~30 sec. / 5 - 600 sec., alarm via acoustic signal, OSD display, email		
Storage	4 x SATA HDD; data backup: 2 x USB 2.0 or via optional USB DVD burner TVAC40900		
Control	Mouse, remote control, control buttons, client software, web interface; 2 user levels, max. 31 local users		
Recording modes	Manual, Schedule, Motion Sensor, Alarm, Motion Sensor And Alarm, Motion Sensor Or Alarm		
Search modes	After Event, Date & Time	After Event, Date & Time	After Event, Date & Time
Inputs/outputs	4 alarm inputs (NO/NC), 4 relay output, monitor: 1 x BNC, 1 x VGA, Spot: 1 x BNC	8 alarm inputs (NO/NC), 4 relay outputs, monitor: 1 x BNC, 1 x VGA, Spot: 1 x BNC	16 alarm inputs (NO/NC), 4 relay outputs, monitor: 1 x BNC, 1 x VGA, Spot: 1 x BNC
Network	RJ45 10/100 Mbps, simultaneous network access (18 users), functions: Live View, Playback, Data Export, Settings; DDNS, NTP		
Audio	Audio In: 4x Cinch, Audio Out: 1x Cinch	Audio In: 4x Cinch, Audio Out: 1x Cinch	Audio In: 4x Cinch, Audio Out: 1x Cinch
Views	1 / 4	1 / 4 / 6 / 9	1 / 4 / 6 / 8 / 9 / 16
PTZ control	RS-485, protocols Pelco P / D	RS-485, protocols Pelco P / D	RS-485, protocols Pelco P / D
Power supply	100~240 VAC, 6.3 A, 50~60Hz	100~240 VAC, 6.3 A, 50~60Hz	100~240 VAC, 6.3 A, 50~60Hz
Dimensions (W x H x D)	450 x 90 x 450 mm	450 x 90 x 450 mm	450 x 90 x 450 mm

Article number	**TVVR40000**	**TVVR40010**	**TVVR40020**

Eytron Video Surveillance Recorders

Powerful recording for analogue and IP cameras

- Hybrid: IP and analogue cameras in one system
- Redundant data recording
- Voice output for key functions
- Network access for up to 64 users in parallel
- For up to 8 SATA hard drives
- Status LED
- PTZ control via RS485
- Alarm via acoustic signal



This recorder is the Mercedes among hybrid-enabled stand-alone systems. It competently handles up to 16 channels as well as up to eight IP cameras (VGA) and/or up to four 1.3 megapixel cameras. Security is key: The sealable housing, status monitoring, voice output on operation, acoustic warning signals and redundant data backup speak for themselves. Comprehensive alarm and network functions (Live, Playback, Export, Settings) further enhance the features of this high-end DVR.

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The HDR is the video surveillance recorder for the demanding user. With status LED, voice output and lots of alarm functions, it is ideal for security-relevant areas that require constant surveillance. Voice output on operation, acoustic warning signals and status LEDs make life easier for the personnel, prevent tiredness or inattention and therefore combine optimum security with maximum ease of use.

Eytron Hybrid Digital Recorder HDR

	8-channel Hybrid Digital Recorder HDR	16-channel Hybrid Digital Recorder HDR
Article number	**TVVR50010**	**TVVR50020**
Product features	• Connects up to 8 analogue + 8 ABUS IP cameras (VGA) • Status LED indicates recorder status • Multilingual voice output for all main functions (including UK, D, F, NL, DK) • Can connect up to 8 SATA hard drives • Redundant data recording • Integrated VGA connection	• Connects up to 16 analogue + 8 ABUS IP cameras (VGA) • Status LED indicates recorder status • Multilingual voice output for all main functions (including UK, D, F, NL, DK) • Can connect up to 8 SATA hard drives • Redundant data recording • Integrated VGA connection
Scope of delivery	Digital recorder, power cable, mouse, server cabinet handle, recorder software (on CD)	
Required accessories:	SATA hard drives (p. 81)	SATA hard drives (p. 81)
Optional accessories	Anti-tamper seals, padlock, remote control, network cable, loop-through breakout cable (p. 81), CCTV monitors (p. 53)	Anti-tamper seals, padlock, remote control, network cable, loop-through breakout cable (p. 81), CCTV monitors (p. 53),
Camera inputs	8 + 8: 8 x BNC I/O + 8 x IP @ VGA, 4 x IP @ 1.3 MPx	16 + 8:16 x BNC I/O, 8 x IP @ VGA, 4 x IP @ 1.3 MPx
Compression	H.264, 6 compression levels	H.264, 6 compression levels
Operating mode	Triplex	Triplex
Resolutions	Live: PAL: 704x576, VGA: 1024x768/60Hz, 1024x768/70 Hz, 1280x1024 / 60 Hz, Recording: PAL: 352x288@25fps, 704x288@12 fps, 704x576@6 fps	Live: PAL: 704x576, VGA: 1024x768/60Hz, 1024x768/70 Hz, 1280x1024/60 Hz, Recording: PAL: 352x288@25fps, 704x288@12 fps, 704x576@ 6 fps
Total frame rates	PAL: 200 fps	PAL: 400 fps
Alarm	Pre/post alarm storage 0~30 sec. / 5 - 600 sec., alarm via acoustic signal, OSD display, email	Pre/post alarm storage 0~30 sec. / 5 - 600 sec., alarm via acoustic signal, OSD display, email
Storage	8 x SATA HDD, 3 x USB 2.0	8 x SATA HDD, 3 x USB 2.0
Control	Mouse, remote control, operating buttons, client software	Mouse, remote control, operating buttons, client software
Recording modes	Manual, Schedule, Motion Sensor, Alarm, Motion Sensor And Alarm, Motion Sensor Or Alarm	Manual, Schedule, Motion Sensor, Alarm, Motion Sensor And Alarm, Motion Sensor Or Alarm
Search modes	After Event, Date & Time	After Event, Date & Time
Inputs/outputs	8 alarm inputs (NO/NC), 4 relay outputs	16 alarm inputs (NO/NC), 4 relay outputs
Network	RJ45 10/100 Mbps, simultaneous network access for up to 64 users; functions: Live View, Playback, Data Export, Settings	RJ45 10/100 Mbps, simultaneous network access for up to 64 users; functions: Live View, Playback, Data Export, Settings
Audio	Audio In: 8 x Cinch, Audio Out: 2 x Cinch	Audio In: 16 x Cinch, Audio Out: 2 x Cinch
Views	1 / 4 / 6 / 9	1 / 4 / 6 / 8 / 9 / 16
PTZ control	RS-485, protocols: Pelco D/P	RS-485, protocols: Pelco D/P
Power supply	100~240 VAC, 6.3 A, 50~60Hz	100~240 VAC, 6.3 A, 50~60Hz
Dimensions (W x H x D)	450 x 90 x 450 mm	450 x 90 x 450 mm

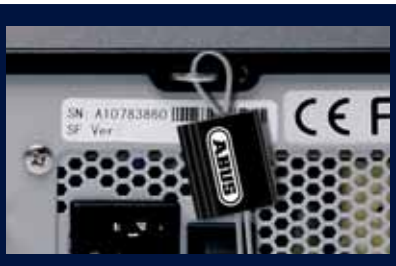
Article number	TVVR50010	TVVR50020

Eytron Video Surveillance Recorders

More security for your data

- Stable, tested hard drives
- Recorder padlock for securing hard drives against unauthorised access
- Anti-tamper seal with consecutive numbering for absolute data sovereignty and security

Nothing is as valuable as your recordings. Unfortunately, unauthorised people (e.g. surveillance subjects, spies, inquisitive people) think so too. Consequently, ABUS now offers mechanical data protection options alongside the usual password protection. With the recorder padlock and the anti-tamper seal you can make life difficult for data thieves and protect your valuable video recordings better than ever before.



Opportunity makes the thief. This also applies to video data. With the recorder padlock and anti-tamper seal, you're effectively bolting the door on the misuse of sensitive recordings.

Conveniently in safe hands: With the optional remote control you can control your video surveillance as easily as a TV from the comfort of your chair. Particularly useful if the recorder is not within immediate reach (e.g. under the table).

Hard drives that deliver on their promises: For your storage media, opt for technology that's optimised for 24/7 CCTV and tested ABUS quality. That way you'll be leaving nothing to chance when it comes to the security of your recordings.

Accessories for the Eytron Video Recorders

	SATA hard drives		Remote control	Breakthrough cables		
Article number	**TV8940, TV8942**		**TVAC40930**	**TVAC41910, TVAC41920, TVAC41930**		
Product features	• Hard drives optimised for video surveillance • Integrate quickly into Eytron DVR housing • Ultra-fast data transfer (up to 300 MB/s) • Compatible with all SATA DVRs		• Control your ABUS recorders the easy way • For use with models TVVR400x0 and TVVR500x0, TVVR20000 and TVVR30000 • Powered with 2 x Mignon AAA batteries (not supplied)	• All cameras inputs are looped through • Suitable for TVVR40000 (4 BNC), TVVR40010, TVVR40020, TVVR50010 (8 x BNC) and TVVR50020 (16 BNC) • The TVVR40020 needs 2 x TVAC41920 cables		
Scope of delivery	SATA hard drive		Remote control	Breakthrough cable		
Specification	500 GB	1 TB		4 x BNC	8 x BNC	16 x BNC
Article number	**TV8940**	**TV8942**	**TVAC40930**	**TVAC41910**	**TVAC41920**	**TVAC41930**

	Recorder padlock	Anti-tamper seal	USB DVD burner
Article number	**TVAC40920**	**TVAC40910**	**TVAC40900**
Product features	• Secures the hard drives against access • For use with the ABUS TVVR400x0 and TVVR500x0 recorders • Resettable 3-digit number code • Solid aluminium padlock body with anodised coating • Corrosion-resistant	• Protects against unauthorised access • Consecutive numbering for identification • Quick and easy to install • For use with the ABUS TVVR400x0 and TVVR500x0 recorders	• For simple data export to DVD • For use with the ABUS TVVR400x0 and TVVR500x0 recorders • Supported formats: DVD+R • Max. write speed: 20x • USB 2.0 port
Scope of delivery	Recorder padlock	Anti-tamper seal set (10 units)	USB DVD burner , USB cable, power supply
Article number	**TVAC40920**	**TVAC40910**	**TVAC40900**

Eytron Digital Video Recorders

Everything's thought of: All-In-One Digital Recorder

- Recorder and monitor in a compact unit
- LAN connection for network access
- Record video and audio data in real-time
- Fast data backup via USB
- Easy mouse control
- Storage-efficient H.264 compression

The ABUS All-in-One Digital Recorders deliver all-inclusive video surveillance. So all you need to create a professional video monitoring system are some cameras and a hard drive. These Plug & Play recorders are extremely easy to use and take up very little space. So they're the perfect solution for kiosks, on sales counters, at the cash desk or for mobile or short-term uses.

eytron.®

With the All-in-One Recorder you've got everything in view. No bigger than a standard monitor, the recorder fits discreetly into any environment. Particularly practical: the monitor can be used as a PC monitor in parallel. Switch from normal PC use to video surveillance and back at the touch of a button. The network technology delivers worldwide access to image data via the Eytron server or DynDNS.

Eytron All-In-One Digital Recorders

	4-channel 8" all-in-one digital recorder	4-channel 19" all-in-one digital recorder	8-channel 19" all-in-one digital recorder
Article number	**TVVR20000**	**TVVR25000**	**TVVR25010**
Product features	• Recorder and monitor combined in one space-saving unit • Storage-efficient H.264 data compression • Real-time recording • Records video and audio • Network connection for worldwide access	• Slimline housing with 19" TFT • Storage-efficient H.264 data compression • Real-time recording • Records video and audio • Web server and/or client software for worldwide access • Can be used as PC monitor in parallel	• Slimline housing with 19" TFT • Storage-efficient H.264 data compression • Real-time recording • Records video and audio • Web server and/or client software for worldwide access • Can be used as PC monitor in parallel
Scope of delivery	Digital recorder, power supply, connection cable, mouse, remote control (excluding batteries), CD	Digital recorder, power supply, connection cable, mouse, remote control, CD	Digital recorder, power supply, connection cable, mouse, remote control, CD
Required accessories	1x SATA hard drive (p. 81)	1x SATA hard drive (p. 81)	1x SATA hard drive (p. 81)
Optional accessories	Video cable (p. 66-67), network cable (p. 17), batteries 1.5V AAA	Video cable (p. 66-67), network cable (p. 17)	Video cable (p. 66-67), network cable (p. 17)
Camera inputs	4	4	8
Compression	H.264, 6 compression levels	H.264, 5 compression levels	H.264, 5 compression levels
Monitor	8"; resolution 704 x 576 pixels	19"; resolution 704 x 576 pixels	19"; resolution 704 x 576 pixels
Operating mode	Triplex	Triplex	Triplex
Resolutions	352x288 @ 25fps, 704x288@12fps, 704x576@6fps	352x288 @ 25fps, 704x288@12fps, 704x576@6fps	352x288 @ 25fps, 704x288@12fps, 704x576@6fps
Alarm	Alarm via acoustic signal, OSD display, email	Alarm via acoustic signal, OSD display, email	Alarm via acoustic signal, OSD display, email
Data backup	USB, network	USB, network	USB, network
Views	1 / 4	1 / 4	1 / 4 / 6 / 8 / 9
Recording modes	Manual, Schedule, Motion Sensor, Alarm	Manual, Schedule, Motion Sensor, Alarm	Manual, Schedule, Motion Sensor, Alarm
Search modes	Event, Date & Time	Event, Date & Time	Event, Date & Time
Inputs/outputs	4 alarm inputs (NO/NC), 1 relay output; Audio In: 1 x RCA; Audio Out: 1 x RCA; monitor output: 1 x BNC	4 alarm inputs (NO/NC), 1 relay output; Audio In: 1 x RCA; Audio Out: 1 x RCA	4 alarm inputs (NO/NC), 1 relay output; Audio In: 1 x RCA; Audio Out: 1 x RCA
Network	RJ45 10/100 Mbit connection; Simultaneous network access (24 users) Network functions: Live View, Search, Backup; DDNS, NTP	RJ45 10/100 Mbit connection, simultaneous network access (24 users); network functions: Live View, Search, Data Export; DDNS, NTP	RJ45 10/100 Mbit connection, simultaneous network access (24 users); network functions: Live View, Search, Data Export; DDNS, NTP
PTZ control	Yes	Yes, 35 control protocols	Yes, 35 control protocols
Control	Mouse and remote OSD control	Mouse and remote OSD control	Mouse and remote OSD control
Power supply	12 VDC / 3.3 A	12 VDC / 5 A	12 VDC / 5 A
Dimensions (W x H x D)	210 x 210 x 249 mm (without connections)	460 x 447 x 67 including stand	460 x 447 x 67 including stand
Article number	**TVVR20000**	**TVVR25000**	**TVVR25010**

Eytron Video Surveillance Recorder

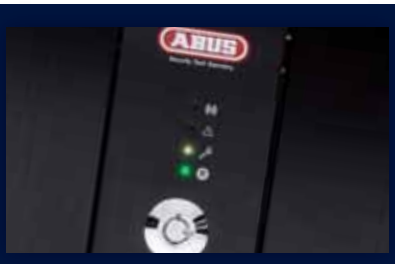
Software certified by:
FIDUCIA

The high-end video surveillance solution for banks, casinos and industry.

- Analogue and IP cameras (including megapixels) in one system
- Real-time recording and live viewing on all 40 channels (total 1000 fps)
- Resolution of all analogue channels in 4CIF (704x576 pixels) in real-time
- H.264 compression for analogue video data
- Monitor, record, view, export, network in parallel
- Components designed for 24/7 operation with advanced cooling management
- Integrated web server for Internet Explorer, Firefox, Safari, Opera
- 6 remote clients and remote PDA access

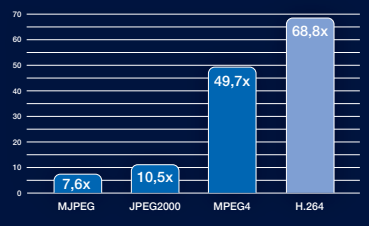
This complete solution delivers superior technology to all users quickly and efficiently, marking a milestone in high-end recording. A new dimension in performance, usability and flexibility.

eytron®



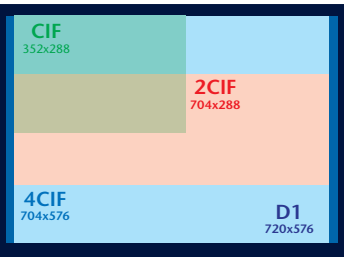
Maximum system stability:

Temperature and condition of hard drives are monitored with virtual alarm detecotrs. The system triggers an alarm at the first indication of a fault. A message is sent out before every routine maintenance. The LEDs indicate the status of the HDVR.



Superior compression:

H.264 compressed video images can be transmitted by LAN in real time at optimal data rates and in very high quality. Preventing bottlenecks on the network, fragmentary displays or blurred pictures with little information.



Full screen display:

Real-time pictures from all cameras (up to 40 channels) are displayed in full screen resolution 4CIF/D1 without delay; IP cameras can even be displayed in their full resolution up to megapixels.

Eytron HDVR Hybrid Digital Video Recording Systems

PROFILINE®

	16-channel HDVR PROFILINE®	24-channel HDVR PROFILINE®	32-channel HDVR PROFILINE®	40-channel HDVR PROFILINE®
Article number	**TV3000, TV3001**	**TV3010, TV3011**	**TV3020, TV3021**	**TV3030, TV3031**
Product features	• Real-time recording for 8 analogue and 8 IP cameras • Total frame rate: 400 fps • Continuous system monitoring • H.264 for analogue channels • Live View, Record, Playback, Export, Network Access simultaneously	• Real-time recording for 16 analogue and 8 IP cameras • Total frame rate: 600 fps • Continuous system monitoring • H.264 for analogue channels • Live View, Record, Playback, Export, Network Access simultaneously	• Real-time recording for 24 analogue and 8 IP cameras • Total frame rate: 800 fps • Continuous system monitoring • H.264 for analogue channels • Live View, Record, Playback, Export, Network Access simultaneously	• Real-time recording for 32 analogue and 8 IP cameras • Total frame rate: 1000 fps • Continuous system monitoring • H.264 for analogue channels • Live View, Record, Playback, Export, Network Access simultaneously
Scope of delivery	HDVR, ABUS VMS Enterprise video management software, keyboard, mouse, network cable			
Required accessories	SATA HDD (p. 81)			
Optional accessories	CCTV monitors (p. 53), analogue cameras (p. 20-47), IP cameras (p. 8-15),			
Channels (analogue/IP)	8 x BNC, 8 IP cameras (VGA)	16 x BNC, 8 IP cameras (VGA)	24 x BNC, 8 IP cameras (VGA)	32 x BNC, 8 IP cameras (VGA)
Compression	analogue cameras: H.264, IP cameras: H.264, MPEG-4, MJPEG; compression levels: 0.5 / 1.0 / 2.0 / 3.0 / 4.0 Mbit			
Camera outputs	1 x composite (8 x 1 analogue matrix)	2 x composite (16 x 1 analogue matrix)	3 x composite (24 x 1 analogue matrix)	4 x composite (32 x 1 analogue matrix)
Monitor outputs	2 x DVI-I	2 x DVI-I	2 x DVI-I	2 x DVI-I
Multi-monitoring	Dual monitor operation	Dual monitor operation	Dual monitor operation	Dual monitor operation
Operating mode	Live View, Record, Playback, Export, Network Access simultaneously			
Resolutions	Live: Min. 1024x768; recording: 352x288 @ 25 fps, 704 x 288 @ 25 fps, 720 x 576 @ 25 fps			
Total frame rate	400 fps (200 fps analogue cameras, 200 fps IP cameras)	600 fps (400 fps analogue cameras, 200 fps IP cameras)	800 fps (600 fps analogue cameras, 200 fps IP cameras)	1000 fps (800 fps analogue cameras, 200 fps IP cameras)
Alarm	Pre-alarm memory: max. 20 min, post-alarm memory unlimited; 4 alarm inputs (NO/NC), 4 relay outputs; alert via e-mail, FTP, on-screen/on-screen remote; hardware watchdog			
Data backup	CD-R/RW, DVD/RW drive, USB data storage			
Recording modes	Programmable, in case of video loss, fault, alarm, motion, covering, repositioning, schedule, continuous			
Search modes	Date & time, POS data	Date & time, POS data	Date & time, POS data	Date & time, POS data
Security	Password manager, authorisation levels, password lists			
Network	Connection: 1 x RJ45, 10/100/1000Mbps; protocols: IPv4, TCP, HTTP, DHCP, ARP, NTP, UDP, RTSP; multiple network access (depending on bandwidth); functions: Live View, Playback, Backup, Change Settings, Control Relay, Access via WindowsMobile, monitor station function, web server function, DDNS, NTP			
PTZ control	Yes, protocols: Pelco P, Pelco D, Sensormatic Ultra, Sony VISCA			
POS integration:	POS and ATM	POS and ATM	POS and ATM	POS and ATM
Interfaces	1 x RS232, 1 x RS422/485, 2 x USB front, 4 x USB back			
Control	Mouse, joystick*, touchscreen* (* not included)			
Software	Eytron VMS Enterprise; operating system: Windows Embedded			
Power supply	100 - 240 VAC, 50 - 60 Hz	100 - 240 VAC, 50 - 60 Hz	100 - 240 VAC, 50 - 60 Hz	100 - 240 VAC, 50 - 60 Hz
Dimensions	W x H x D: 427 x 179 x 534 mm (excluding handles); weight: 20 - 22 kg			

Storage medium	**1 TB HDD**	**3 TB HDD**	**1 TB HDD**	**3 TB HDD**	**1 TB HDD**	**3 TB HDD**	**1 TB HDD**	**3 TB HDD**
Article number	**TV3000**	**TV3001**	**TV3010**	**TV3011**	**TV3020**	**TV3021**	**TV3030**	**TV3031**

Eytron HDVR Hybrid Digital Video Recording Systems

Joystick

- Control PT cameras, PTZ cameras
- Zoom-in / digital zoom

Number pad/ keyboard

- Camera selection
- Presets
- Relay activation

Operating mode

- Live
- LivePlus (Live View + Playback)
- Playback

- Manual record

System status display

- Alarm
- Fault
- Maintenance
- Recording

View mode for slide elements

- Camera
- Camera groups
- Favourites
- Cards
- Support stations

Slide controls

- New (Favourite, Card)
- Delete
- Connect support station
- Disconnect support station

Works intuitively - simple and ingenious: Drag & Drop and PUK function

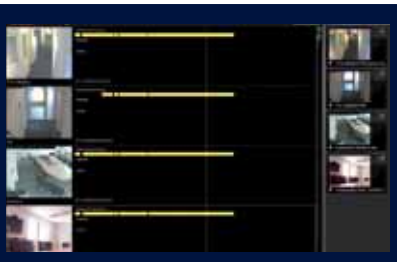
Drag & Drop: easy handling with the mouse

- To activate the live image from a camera in the slide strip (right-hand column), drag the slide into any camera window, keeping the mouse button pressed. Release the mouse button and the camera will be embedded in that window.
- You can also use this method to access cameras in a support location (e.g. another HDVR system in another location).
- Your HDVR system with 40 cameras or more (monitor station/ subsidiary stations) is just as intuitive and quick to operate.

PUK function: Adjust and save camera views

- Exclusive to Eytron: Use the innovative PUK tool to vary camera views seamlessly for pure flexibility.
- Drag the puck from right to left to view more windows with live cameras or recordings on the monitor. If you drag the PUCK downwards, the left-hand image enlarges and you enter 1Plus mode (multiple windows +1 enlarged window).
- Save frequently used views as favourites and retrieve them at the touch of a button.

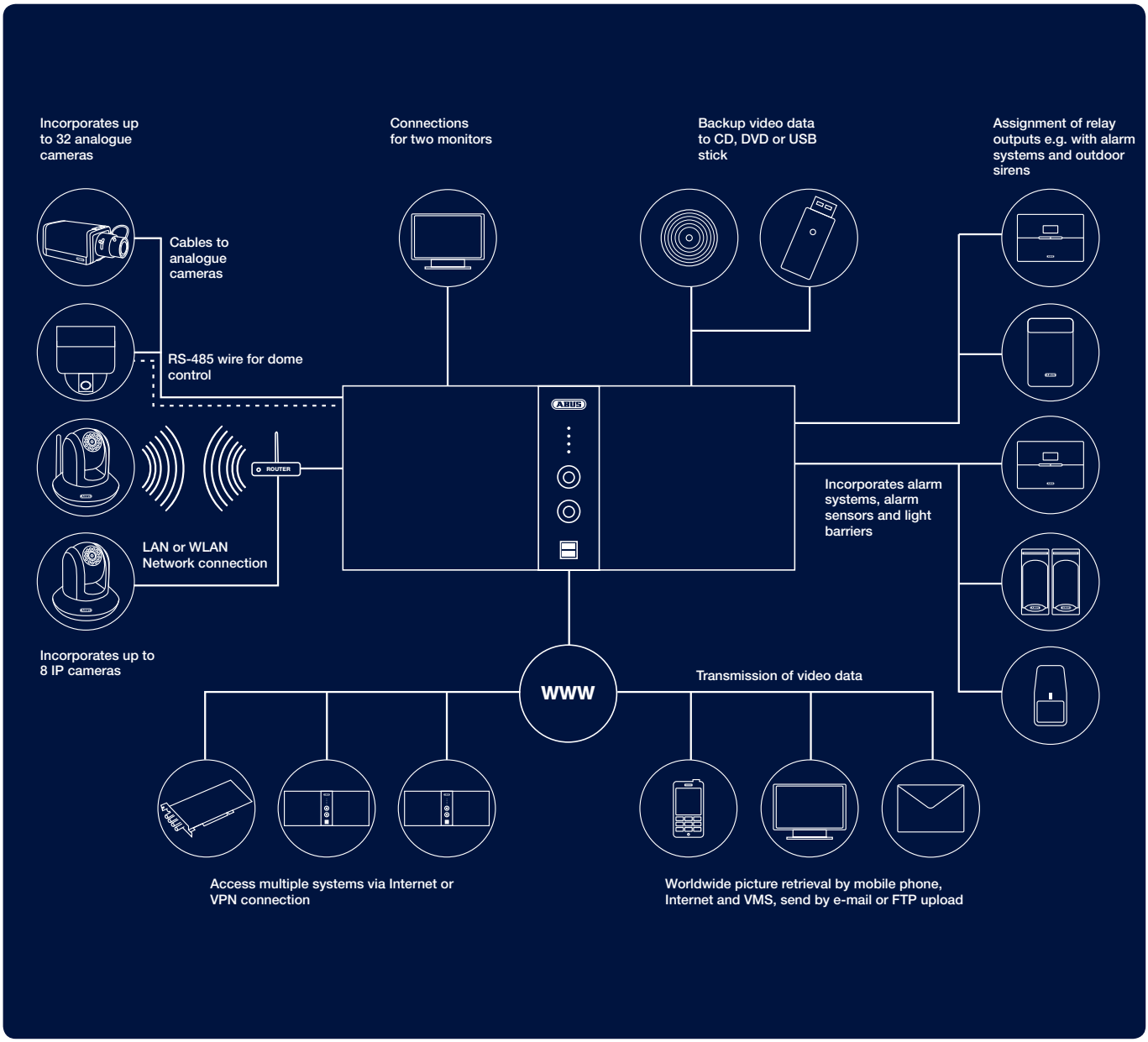
Designed to a simple and easy-to-understand modular principle, all alarm sensors (whether virtual sensors or integrated alarm detectors) can be linked to a certain reaction (e.g. e-mail/FTP or activation of a relay or siren).

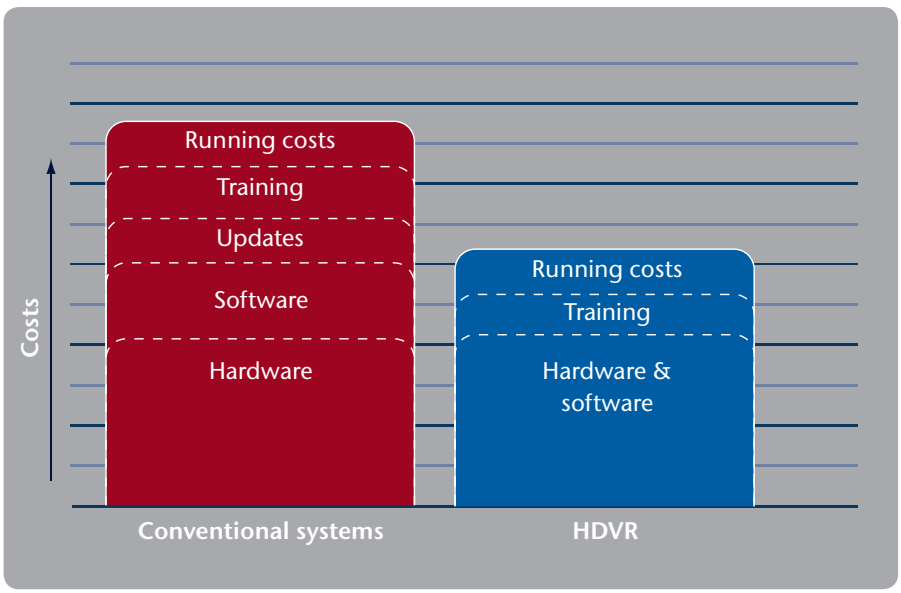


When an event has occurred, you need to be able to find the relevant pictures quickly and accurately. In Playback mode you can view and analyse several channels in parallel. Differently coloured time bars indicate when and why the cameras have recorded images (Continuous/ motion/alarm).

Staying in control is crucial in critical situations. The card function helps you to link video data and sensors to specific locations. With a click of the mouse you can access the right camera or camera group and you're immediately informed.

Eytron HDVR Hybrid Digital Video Recording Systems


Incorporates up to 32 analogue cameras
Connections for two monitors
Backup video data to CD, DVD or USB stick
Assignment of relay outputs e.g. with alarm systems and outdoor sirens
Cables to analogue cameras
RS-485 wire for dome control
ROUTER
LAN or WLAN Network connection
Incorporates alarm systems, alarm sensors and light barriers
Incorporates up to 8 IP cameras
WWW
Transmission of video data
Access multiple systems via Internet or VPN connection
Worldwide picture retrieval by mobile phone, Internet and VMS, send by e-mail or FTP upload



Long-term cost-advantages

The HDVR from ABUS stands for decisive cost benefits: Besides a low base price the recorder system wins over its low operating, maintenance and training costs. All features are included: No extra costs for additional functions (e.g. integration of POS/ATM data or updates). So there are no extra charges at all.
Delivering long-term value for money and achieving maximum ROI with minimum TCO. What's more, the HDVR has impressively low operating costs and is extremely energy-efficient (Green CCTV). With permanent upgradability and open system limits, the HDVR is future-safe and offers maximum protection of investments.

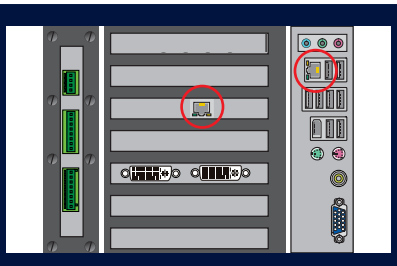
Eytron Video Surveillance Recorders

IP power for professional network recording

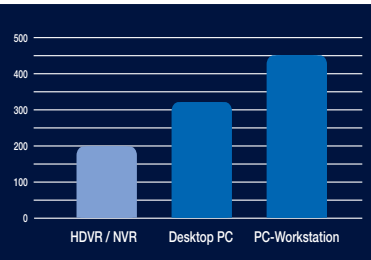
- Real-time recording on up to 16 IP cameras
- Extra network interface to prevent bottlenecks
- Enabled for IP camera protocols of other manufacturers for maximum investment protection (full list in web shop at www.abus-sc.com)
- All-inclusive, no additional costs for upgrades or extra modules

The Network Digital Recorder (NVR) series is specially designed for effective recording and management of up to 16 network cameras. With its high flexibility and upgradability (open standard for IP cameras (generic RTSP) from all popular manufacturers, monitor station function, integrated software etc), this generation of recorders is perfectly equipped to meet future demands in IP-based surveillance.

Extra hardware for hard work! A flowing, high-resolution video image on 16 channels is a big ask even for good processors. So the NVR comes with special hardware components designed to enable continuous operation in IP-based video surveillance.



Exclusive network just for video: a separate video LAN interface with 1 Gbit prevents bottlenecks in your network when several IP cameras are transmitting simultaneously. So you can transmit video streams regardless of the bandwidth available on your internal network.



Efficient technology cuts power consumption to a minimum! Low costs over the equipment's entire service life! With innovative power management, this system runs on just 200 W - less than a standard PC workstation (at least 325 W) or a powerful desktop PC (around 450 W).

Eytron NVR Network Video Recorder

16-channel Network Video Recorder NVR

Article number TV3110, TV3111

Resolution*	Integratable cameras
2 megapixels	4
1.3 megapixels	8
VGA	16

* A 2 MPx camera corresponds to 2 x 1.3 MPx cameras or four VGA cameras. So you can calculate the maximum number of IP cameras that can be integrated in all combinations.

Product features

- Real-time recording for 16 IP cameras (VGA); see table for other resolutions
- Total frame rate: 400 fps
- Integrates alarm sensors and signal devices
- Supports multiple IP protocols (ABUS, AXIS, Panasonic etc; full list at www.abus-sc.com/downloads)
- Integrated video management software with intelligent security functions
- Special hardware for 24/7 operation

Scope of delivery NVR, VMS Enterprise video management software, keyboard, mouse, network cable

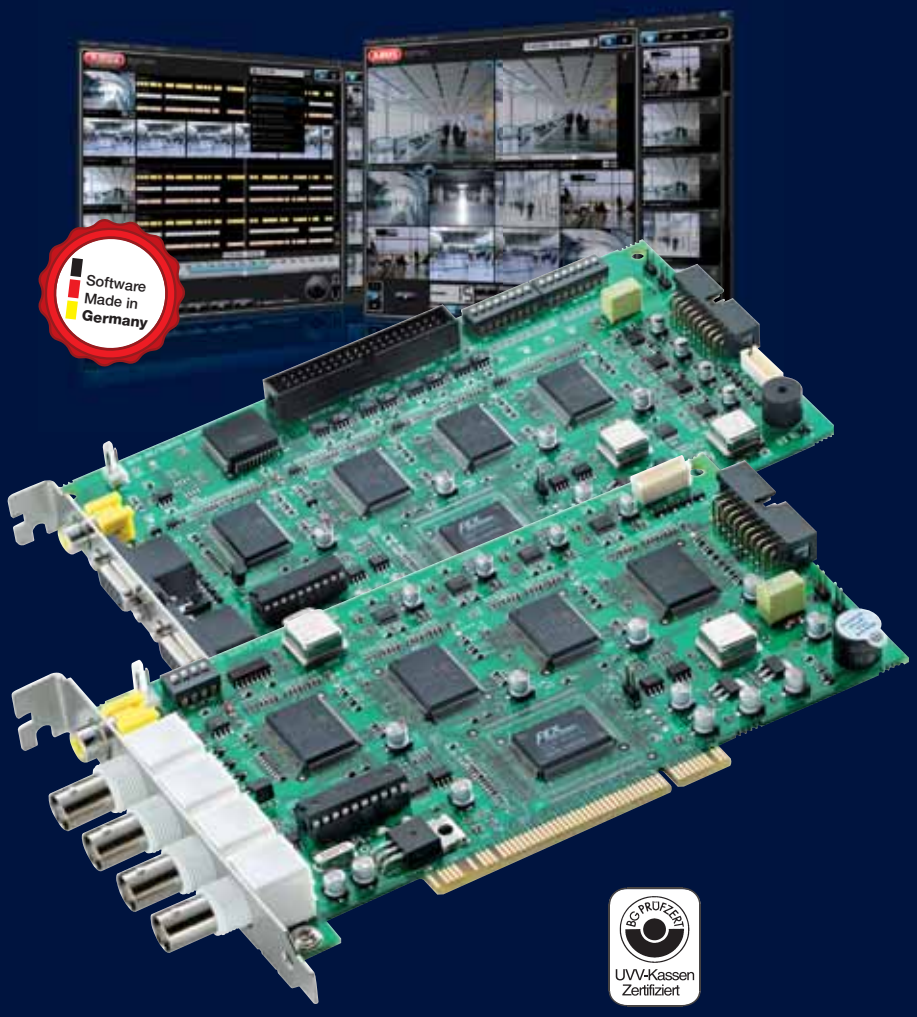
Required accessories SATA HDDs (p. 81)

Optional accessories CCTV monitors (p. 50-53), IP cameras (p. 8-15),

Channels (analogue/IP)	no analogue channels; 16 IP cameras
Compression	H.264, MPEG-4, MJPEG
Camera outputs	-
Monitor outputs	2 x DVI-I
Multi-monitoring	Dual monitor operation
Operating mode	Live View, Record, Playback, Export, Network Access simultaneously
Resolutions	Live: Min. 1024x768; recording: 320 x 240, 640 x 480, 800 x 600, 1280 x 1024, 1600 x 1200
Total frame rate	400 fps, depending on resolution and datastream
Alarm	Pre-alarm memory: max. 20 min, post-alarm memory unlimited; 4 alarm inputs (NO/NC), 4 relay outputs; alert via e-mail, FTP, on-screen/on-screen remote; hardware watchdog
Data backup	CD-R/RW, DVD/RW drive, USB data storage, network drive
Recording modes	Programmable, in case of video loss, fault, alarm, motion, covering, repositioning, schedule, continuous
Search modes	Date & time, POS data
Security	Password manager, authorisation levels, password lists
Network	Connection: 1 x RJ45, 10/100/1000Mbps; protocols: IPv4, TCP, HTTP, DHCP, ARP, NTP, UDP, RTSP; multiple network access (depending on bandwidth); functions: Live View, Playback, Backup, Change Settings, Control Relay, Access via WindowsMobile, monitor station function, web server function, DDNS, NTP
PTZ control	Protocols: Pelco P, Pelco D, Sensormatic Ultra, Sony VISCA
POS integration:	POS and ATM
Interfaces	1 x RS232, 1 x RS422/485, 2 x USB front, 4 x USB back
Control	Mouse, joystick*, touchscreen* (* not included)
software	Eytron VMS Enterprise; operating system: Windows Embedded
Power supply	100 - 240 VAC, 50 - 60 Hz
Dimensions	W x H x D: 427 x 179 x 534 mm (excluding handles); weight: 20 - 22 kg

Storage medium	1 TB HDD	3 TB HDD
Article number	**TV3110**	**TV3111**

Eytron PCI Video Surveillance Cards



Good cards for PC-based video surveillance

- Turn your PC into a digital video surveillance system
- Easy and quick to install with Plug&Play and VMS Express/Basic software supplied
- Real-time recording on up to 16 camera channels (TV3310 only)
- Hybrid system: integrates with analogue and IP cameras

Unbeatable value for money, whether on your home computer or as a professional system: with Eytron PCI video surveillance cards you can turn your PC into a digital video management centre for viewing, storing and managing videos recorded on your cameras! The hybrid function allows you to integrate analogue or digital cameras. VMS Express video management software is supplied as part of the package - upgrade to Basic, Professional and Enterprise at any time.

UVV-Kassen Zertifiziert

Only in connection with ABUS VMS Professional/ Enterprise software

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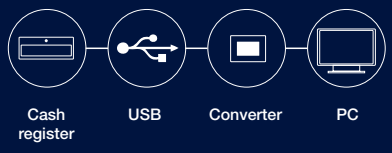
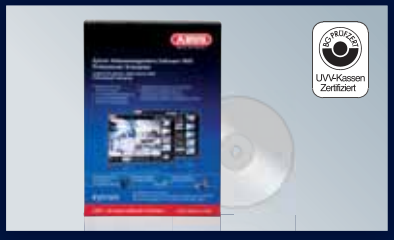


Connect POS systems the easy way! The COM signal from the POS is converted to RS-485 in a serial interface converter TV8469. The TV8468 USB converter sends the RS-485 data to the PC-based recording system*.

* VMS Basic or higher



Software upgrade with VMS BASIC (16 channels) or with UVV certificate*: VMS Professional for up to 16 IP cameras from any manufacturer. And VMS Enterprise for a high-end system for up to 48 cameras, security and monitoring station functions, extensive remote access, etc.

* with TV3311 only

With the integrated web server you can view the images on the PCI card from anywhere in the world on a monitor station or in a browser (VMS Basic and higher), and in the event of an alarm you'll receive an e-mail with an image sequence as an attachment*.

* VMS Basic or higher

Eytron PCI Video Surveillance Cards

PCI Video Surveillance Cards

Article number **TV3300, TV3301, TV3305, TV3306, TV3308, TV3310**

- PCI video cards for digital recordings on up to 16 channels
- IP and analogue cameras in one system
- MPEG4 or MJPEG compression
- Integrated VMS Express video management software with quick setup and easy operation (VMS Basic with TV3310)
- Records to schedule or on motion detection
- Video loss detection
- Password protection with individual access rights
- With update to VMS Basic or higher: Email / FTP transmission in case of alarm, integrated web server function

Camera inputs	4 x BNC	8 x BNC	4 x BNC	8 x BNC	8 x BNC	16 x BNC
Recording resolutions	704x576 (4 CIF), 704x288, 352x288	704x576 (4 CIF), 704x288, 352x288	704x576 (4 CIF), 704x288, 352x288	704x576 (4 CIF), 704x288, 352x288	704x576 (4 CIF), 704x288, 352x288	704x576 (4 CIF), 704x288, 352x288
Total frame rate	25 @ CIF	25 @ CIF	100 @ CIF	100 @ CIF	200 @ CIF	400 @ CIF
Frame rate per channel	6,25	3,1	25	12,5	25	25
Integr. software	VMS Express	VMS Express	VMS Express	VMS Express	VMS Express	VMS Basic
Technical requirements	Intel Pentium D: 2.8 GHz, 512 MB RAM, VGA 128 MB; mainboard/chipset: Intel, AMD or nForce; graphics card: 128 MB video memory; Windows XP, Vista, Windows 7, 32 and 64 bit (from summer 2010)		Intel Core TM 2 Duo: 2.0 GHz, 1 GB RAM, VGA 128 MB; mainboard/chipset: Intel, AMD or nForce; recommended graphics card: 128 MB video memory; Windows XP, Vista, Windows 7, 32 and 64 bit (from summer 2010)			

Article number	**TV3300**	**TV3301**	**TV3305**	**TV3306**	**TV3308**	**TV3310**

PCI alarm card I/O

Article number **TV3311**

Product features

- For integrating alarm sensors and signal devices into PCI card TV3310
- 16 alarm inputs, e.g. for alarm-triggered recording
- 8 relay outputs for activating relay in case of alarm (e.g. lighting) with max. switching capacity of 1A
- No PCI slot, only 2 PCI brackets needed for installation

Scope of delivery

Alarm card I/O* consisting of sensor card and alarm card

*requires software VMS Basic and a PCI card

PCI alarm card + VMS Basic

Article number **TV3326**

- For making alarm recordings with PCI cards using TV3310
- For technical data see TV3311 (left)

Alarm card I/O, VMS Basic dongle

Article number	**TV3311**	**TV3326**

USB interface converter

Article number **TV8468**

- For controlling PTZ cameras via PC
- For connecting POS systems with RS-485
- Converts USB to RS-485, half-duplex

Converter, driver CD, USB cable

Serial interface converter

Article number **TV8469**

- Converts RS-232 to RS-485, half-duplex
- Baud rate: automatic, max. 115200 baud
- Transmission distance: max. 1200 m

Converter

Article number	**TV8468**	**TV8469**

Eytron Video Surveillance Software

ABUS VMS Enterprise – the high-end video management center

- Easy to operate
- Standard software interface for all recording solutions (IP cameras, PCI cards, recorders)
- Innovative functionalities for fast screen setup (video PUK, preview list with Drag & Drop, favourites)
- E-Map function for fast localisation of events
- Intelligent alarm and security functions

Software certified by:

FIDUCIA

Software Made in Germany

Manage and monitor up to 64 cameras from different manufacturers perfectly - with a wide range of security functions called for in train stations, airports etc. The software offers interfaces for integrating external data (e.g. PoS, ATM etc). This top-of-the-range version is UVV (BGV) certified.

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With functions like reposition, defocus and cover check, you'll always have your cameras under control. The cover check triggers as soon as the camera's view is obscured, and the reposition check monitors the camera position. The defocus check detects when the camera is no longer in focus.

Intuitive software interface with no double-clicking or right mouse button! Arrange the screen the way you want it quickly and easily with Drag&Drop and the video PUK. The standard interface makes it easy to train personnel - even without expert knowledge.

Absolute reliability is key in security-relevant areas. The HDVR software is Fiducia- and UVV-certified for uses in critical areas like banks, building societies, casinos and industry. ATM data can be integrated into the video image via the HDVR.

VMS video management software

	VMS Express	VMS Basic	VMS Professional	VMS Enterprise
Article number	-	TV3220	TV3200	TV3210
Product features	• Incorporates up to 9 channels • Remote access via monitor station (1 user)	• Incorporates up to 16 channels • Remote access via Internet browser (1 user/PDA)	• Incorporates up to 16 channels (including IP cameras from other manufacturers) • Playback on up to two monitors (depending on graphics card) • Remote access via Internet browser (3 users simultaneously) + PDA	• Incorporates up to 64 channels (including IP cameras from other manufacturers) • Playback on up to four monitors (depending on graphics card) • Remote access via Internet browser (10 users simultaneously) + PDA
Scope of delivery	Software CD	Software CD, USB dongle	Software CD, USB dongle	Software CD, USB dongle
Optional accessories	IP cameras (p. 8-15)	IP cameras (p. 8-15)	IP cameras (p. 8-15)	IP cameras (p. 8-15)
Total number of channels	9	16	16	64
IP camera protocols	ABUS	ABUS	ABUS, Axis, Mobotix, ACTi, RTSP etc; full list at www.abus-sc.com/download	
Recording format	H.264/MPEG-4 or MJPEG	H.264/MPEG-4 or MJPEG	H.264/MPEG-4 or MJPEG	H.264/MPEG-4 or MJPEG
Operating mode	Record, Playback, Backup, Export and Network Access simultaneously			
Remote access via browser/PDA	-	max. 1 user	max. 3 user	max. 10 user
Remote access to Eytron systems	max. 1 monitor station	max. 1 system	max. 3 systems in parallel	Unlimited
Resolution	4CIF/D1, 2CIF, CIF, megapixel, VGA	4CIF/D1, 2CIF, CIF, megapixel, VGA	4CIF/D1, 2CIF, CIF, megapixel, VGA	4CIF/D1, 2CIF, CIF, megapixel, VGA
Multi-monitoring	1 monitor	1 monitor	Dual monitor operation	4 monitor operation
Data backup	DVD, USB, LAN	DVD, USB, LAN	DVD, USB, LAN	DVD, USB, LAN
Alarm memory	-	-	Pre-and post-alarm memory up to 20 minutes	
Recording modes	Schedule, Motion	Video Loss, Fault, Alarm, Motion, Cover, Reposition, Schedule, Continuous		
Video loss detection	Yes, OSD display and voice output	Yes, with alarm list entry, programmable event response, OSD display and voice output		
Security functions	-	-	Cover, defocus and reposition protection	
Communication	On-screen/on-screen remote	Email, FTP, on-screen/on-screen remote		
PTZ control	Yes	Yes	Yes	Yes
POS integration:	-	-	POS and ATM	POS and ATM
User levels	Password manager, authorisation levels, password lists			
USB dongle	-	Yes	Yes	Yes
UVV mode	-	-	Yes	Yes
Technical requirements	CPU: Core 2 Duo 2.0 GHz, RAM: 1024 MB, VGA: 128 MB, free HDD space: 100 MB, OS: Windows XP, Vista, Windows 7, 32 and 64 bit (from summer 2010) USB: 1 free USB port for dongle (not Express)			

Article number	--	TV3220	TV3200	TV3210

Eytron Digital Video Recorders

Mobile security with fun factor: Mini-Camcorder

- Camera und micro SD card recorder in a compact housing
- Realtime recording with 640 x 480 pixel @ 30 fps
- Ideal for mobile video surveillance or for recordings during sports and leisure activities
- Recordings can be easily played on a PC
- Immediate use due to comprehensive accessories; no programmation required

Camera plus recorder: The mini camcorder offers everything you need vor quick, uncomplicated and mobile surveillance. All built-in in a housing of the size of a thumb. In the super-compact housing with dimensions of only 5,0 x 2,8 x 2,0 cm and a weight of 50 g you can find a recorder and a high-resolution camera which provides fine and crisp VGA images (640x480 pixel) in realtime (30 fps). On top, an integrated microphone provides informative sound recordings.

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All buttons are easy to access from above. The video output can be used for connecting a test monitor (p. 50) to check all the settings on the OSD and optimise the alignment. The SDHC card can be changed from underneath without removing the camera.

See without being seen. If you suspect crimes may be being committed, hidden surveillance will bring you the clarity you need. Because crimes like burglary and retail theft can be easily resolved if you can see what is going on in your absence.

With its brand new features, the new Mini Camcorder reaches out to a whole new customer base. Besides mobile security applications, the camcorder is also ideal for use in sports, model-building and leisure (see page 99 for more information).

Eytron Mini Camcorders

	Mini Camcorder	Mini Camcorder in PIR housing
Article number	**TVVR10000**	**TV8500**
Product features	• Built-in high-resolution camera • Real-time recording with 640 x 480 pixels @ 30 fps • 1.5 hours operational battery life, 100 hours standby • Manual continuous recording and automatic noise-activated event recording • Videos recorded in AVI format for easy playback on PC • Can also be used as a PC webcam • No programming necessary - simply switch on and go	• Mini SD recorder and pin-hole camera in a compact device disguised as a motion sensor • Discreet surveillance with SD card storage • 1/3“ SONY SUPER HAD CCD camera • Resolution: 380 TV lines • 3.7 mm pin-hole lens with 71° horizontal field of view • Electronic shutter control for clear pictures • Can be battery operated for flexible use
Scope of delivery	Mini camcorder, power supply, USB cable, USB adapter, wall bracket, clip bracket, carrying strap, pouch, spray-proof silicon cover, velcro band and screws, CD	Mini camcorder, power supply, 2x cinch/BNC adapters, wall bracket, video cable
Required accessories	Micro SD card (p. 99)	SDHC cards (p. 99)
Optional accessories	Sports Pack TVAC40960 (p. 99)	6 in 1 card reader, (p. 99) test monitor to align field of view (p. 50)
Image sensor	CMOS, colour	1/3“ SONY SUPER HAD CCD, colour
Lens	3.7 mm pin-hole	3.7 mm pin-hole
Camera resolution	640 x 480 pixels	380 TVL
Horizontal angle of view	71°	71°
Minimum illumination (colour)	1 Lux	0.2 Lux
Gain control	automatic (AGC)	automatic (AGC)
DSP	no	Yes
White balance	AWB (automatic white balance)	AWB (automatic white balance)
Video system	PAL	PAL
Video compression	MJPEG, AVI file format	MPEG4-SP, AVI file format
Recording resolution	640 x 480 @ 30fps	320 x 240 @ 25 fps / 640 x 480 @ 12 fps
Search modes	-	Manual / Event Search
Recording modes	Continuous, Noise-activated	Manual / Schedule (Motion Detection/Continuous)
Connections	USB 2.0	Video output/power supply
Power supply	5 VDC / 500 mA	12 VDC / 1 A
Dimensions	50 x 28 x 20 mm	97 x 88 x 51 mm

Article number	TVVR10000	TV8500

Eytron Digital Video Recorders

Ideal assistants for mobile or short-term video surveillance

- Data stored on SD/SDHC cards
- Integrated colour monitor for live viewing or immediate analysis of recordings
- Alarm input and motion sensor for use with intelligent functions
- Optional clip camera for mobile video surveillance
- Perfect for concealed or mobile uses

Small, discreet, independent - mini DVRs that fit into your shirt pocket. Combine with mini cameras or the clip camera to create the perfect surveillance system for mobile and disguised uses. Whether in the car, worn concealed about the body or for short-term assignments, these recorders will deliver an unbiased recording of what is actually happening.

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Start and stop recording by pressing the Rec button on the far left. Use the Arrow keys to navigate and change settings. The Playback button is top left. The button in the middle opens menus and confirms settings. The Padlock button locks the keypad.

Added bonus: the mini clip camera. Measuring just 2 cm in size, it can be worn completely concealed on the body and is powered by the mini digital recorder. Making the mini DVR perfect for mobile surveillance.

Your objective: secret surveillance on the spot. The Eytron mini digital recorder with LCD monitor is perfect for observing people or filming thefts as they happen.

Eytron Portable Mini Digital Recorders

	Portable Mini Digital Recorder LCD	Portable Mini Digital Recorder LCD PROFILINE
Article number	**TV8510**	**TV8465**
Product features	• 2.5" colour TFT LCD for immediate analysis and viewing • Clip camera available for direct connection without separate power supply • Adjustable recording frame rate • Motion sensor • Max. resolution: 640 x 480 pixels • Compression: MPEG-4	• 2.5" colour TFT LCD for immediate analysis and viewing • Discreet surveillance • Data stored on SDHC cards • Can also be battery operated for mobile use • Motion sensor • Audio recording • Search: Manual or Event List
Scope of delivery	Mini digital recorder, power supply, 2x cinch/BNC adapters, two video cables (input, output), alarm cable, leather pouch	Mini digital recorder, power supply, 2x AV cables, 1x alarm cable, remote control, leather pouch, 2x BNC-RCA adapters
Optional accessories	Clip camera, SDHC cards, card reader (p. 99)	CCTV cameras (p. 22-47), car kit, SDCH cards, card reader (p. 99)
Resolution	640x480 pixels, 320x240 pixels	640x480 pixels, 320x240 pixels
Recording modes	Manual, Motion Sensor, Alarm	Manual, Schedule, Alarm, Motion Sensor
Video compression	MPEG4-SP, ASF file format	MPEG4-SP, ASF file format
Video system	PAL	NTSC/PAL
Recording resolution	320x240@25 fps / 640x480@12 fps	320x240@25 fps / 640x480@12 fps
Compression levels	low/medium/high	low/medium/high
Sampling rate (audio)	-	44.1 KHz
Storage medium	SD/SDHC cards	SDHC card
Motion sensor	16 x 12 fields	16 x 12 fields
Search modes	Manual/Event Search	Manual/Event Search
Playback speed	Adjustable	Adjustable
Display	2.5" colour TFT	2.5" colour TFT
Connections	1 alarm input (NO/NC), 1 video input/output,	USB 1.1, alarm input, earphones, AV Out, 1 video input/output
Power supply	5 VDC / 1A	5 VDC / 1 A
Weight	175 g	96 g
Dimensions (W x H x D)	65 x 110 x 27 mm	86 x 55 x 22.5 mm
Article number	**TV8510**	**TV8465**

Optional accessories:

Mini clip camera for mini digital recorder

- Image sensor : 1/8" CMOS
- Minimum illumination (colour): 1 Lux / F2.0
- Resolution: 640 x 480

Article number:TV8511 (p. 99)

Car kit

- Car charger for Eytron mini digital recorders and cameras
- E1 approved for use in cars with 12 VDC input voltage

Article number: TV8461 (p. 99)

In-car or taxi video surveillance

Combined with the car kit, the mini DVR is perfect for use in cars and taxis. Depending on the card and the frame rate, it will store up to 8 days of high resolution video data. The mini DVR has been approved for taxi use in Austria by the Austrian Data Protection Commission.

Eytron Digital Video Recorder

And... Action!

- Sports pack for attaching mini camcorder to helmets, bikes etc.
- Fast-paced pictures with a wow factor!
- Ideal for sports photographs (e.g. cycling, skiing, motor sport)
- Also perfect for model-building (e.g. helicopters, ships, aircraft)
- Includes attachment straps for a variety of uses

Expand your customer base - with mobile video surveillance for everyone. Filming in mini format is not only something that appeals to surveillance professionals - it's for everyone who wants to capture sporting highlights or a special hobby from a completely new angle. Combined with the sports pack, the new camcorder is the perfect partner for video surveillance with a fun factor.

Video surveillance also plays a key role in improving security at home. With surveillance you'll always know exactly who is in your house and may be intruding in your private sphere (cleaner etc.). Any incidents can be quickly and easily cleared up.

Minimal dimensions and light weight make the mini camcorder the perfect mobile companion. From hidden or mobile surveillance to sports recordings - the mini camcorder always does a great job.

Mobile video surveillance up your sleeve. The mini camcorder is as easy to attach to your jacket as a ballpoint pen, so it's an incorruptible witness for night watchmen and security personnel. So the adage "One person's word against another's" is a thing of the past.

Accessories for Eytron mobile recorder

	Clip camera	Car kit	Sports pack
Article number	**TV8511**	**TV8461**	**TVAC40960**
Product features	• Suitable for mini digital recorder TV8510 • Power supply (5 VDC) via DVR • Image Sensor: 1/8" CMOS • Minimum illumination: 1 Lux / F2.0 • Resolution: 640 x 480 pixels • Horizontal field of view: 50° • Dimensions (W x H x D): 15 x 15 x 12 mm	• Powers Eytron mini digital recorders and cameras via the cigarette lighter socket • Adaptable output voltage: 2 x 1.5/3.0/4.5/6.0/7.5/9.0/12 VDC • Input voltage: 12-13.8 VDC • E1 approved for use in cars	• Easy-to-use bracket for fitting the mini camcorder TVVR10000 to helmets, bicycles etc. • Attachment straps provided
Scope of delivery	Clip camera, 1.2 m connection cable	Car kit, double plug for cigarette lighter socket and 2 adaptable power supplies	Bracket, attachment straps
Article number	**TV8511**	**TV8461**	**TVAC40960**

	SDHC cards		Micro SD cards	6-in-1 card reader
Article number	**TV8963, TV8964**		**TVAC40970**	**TV8960**
Product features	• Suitable for mini digital recorder • Speed class 6 • Storage capacity of up to 32 GB for data back-up • Operating temperature: 0° to 60°C • Compatible with SDHC slot devices only		• Suitable for mini camcorder TVVR10000 • Speed class 4 • 4 MB/s minimum read/write speed • Complies with SD specification 2.00 • File format: FAT 32 • Dimensions (W x H x D): 11 x 15 x 1 mm	• Reads and writes to 6 different card formats including SD, SDHC and microSD cards • Plug & Play • For Windows, Mac, Linux • USB 2.0 port • Fits in any trouser pocket
Scope of delivery	SDHC card		MicroSD card	6-in-1 card reader
Capacity	**16 GB**	**32 GB**	**4 GB**	
Article number	**TV8963**	**TV8964**	**TVAC40970**	**TV8960**

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WIRELESS ALARM SYSTEM

The Secvest 2WAY wireless alarm system sets the standards in security. As the world's first and only wireless alarm system, it offers active intrusion protection by combining mechanics and electronics.

Secvest 2WAY Wireless Alarm System

NEW:
VdS Home
approved

Secvest 2WAY: Security can be that beautiful.

- Quick and easy installation
- Bidirectional wireless technology
- Intuitive operation
- Integrated dialer (speech, ARC)
- Active intrusion protection

Secvest 2WAY is the high-end wireless alarm system from ABUS Security-Center. It offers 48 wireless and 2 wired alarm zones (DEOL), bidirectional wireless control devices and innovative walllight function as status display. This is how Secvest 2WAY sets new functional and design standards in wireless alarm technology. The result: all-round protection for all kinds of objects, from apartments to larger office complexes. Secvest 2WAY is the first and only wireless alarm system worldwide to offer active intrusion protection. The wireless window protection system FTS 96 E provides mechanical resistance and also features an alarm trigger.

PLUS X AWARD®
ausgezeichnet für:
Innovation
High Quality
Bedienkomfort

The Plus X Award remunerates manufactures for outstanding quality. The rewarded product needs to have at least one convincing feature - a real innovation: only this represents the „plus“ of real brand quality, the „Plus X factor“. The Secvest 2WAY has been rewarded in the categories „Innovation“, „High Quality“ and „Ease of use“.

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The Secvest 2WAY is a flexible and complete system, which can be extended at any time. A wide range of detectors is available for protection against dangers such as intrusion, fire, water, and emergencies. New market: home automation.With Secvest 2WAY, you can realize intelligent control and notification functions. For example, you can run shutters, lighting, or your sauna via telephone. You can also monitor the temperature of freezers or aquariums. Discover the possibilities!

Secvest 2WAY Wireless Alarm System

	Secvest 2WAY Alarm Control Panel
Article number	**FU8000 / FU8006**
Alarm zones, partitions	48 wireless zones, 2 wired zones (DEOL), 4 partitions
Wireless technology	Frequency 868.6625 MHz, FM, narrow band, encrypted; power: 10 mW
Users and control devices	Up to 50 users, up to 20 remote controls, up to 4 keypads
Switching outputs	32 wireless switching outputs (optional), 2 wired outputs
Alarm	Integrated siren (95 dB), up to two wireless sirens can be connected, integrated voice dialer, optional GSM, ISDN, or Ethernet
Control	Via bidirectional wireless devices, per PIN code, or proximity chip key; voice menu; remote configuration possible
Display / Audio	Graphical display, status light / integrated microphone and speaker
Event memory	250 messages with clear text and time of day
Protocols	ARC: Fast Format, Contact ID, SIA; home care: Scancom, Scanfast, Tunstall
Power supply	230 VAC, 50/60 Hz +/- 5%, power supply integrated; backup power supply
Dimensions, weight	205 x 285 x 43 mm; 1060 g (without standby battery)
Scope of delivery	Wireless alarm control panel, proximity chip, 6x 1.2 V 2000 mAh AA battery, 4 resistors, mounting hardware, user guide and installation manual, software CD

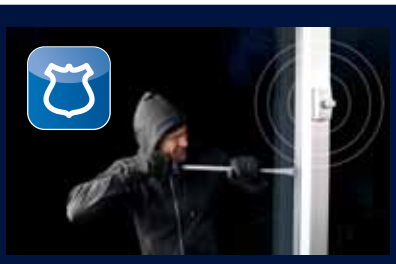
Language	DE, NL, FR	UK, DK, IT	Set of two batteries
Article number	**FU8000**	**FU8006**	**FU2996**

VdS H 110002 Home

The new VdS Home approval ensures, that the product meets the requirements for the private sector. The specifications have been developed together with security experts, the police, relevant organisations and manufacturers. VdS Home closes the gap between non-certified secruity products and cost expensive systems with approvals for the professional and enterprise sector.

	Secvest 2WAY Base Kit		Secvest 2WAY Complete Package	
Article number	**FU8001 / FU8007**		**FU8002 / FU8008**	
Product features	• Package with excellent value for your money • Includes motion detector for indoor surveillance • Magnetic contact for monitoring window or door • Bidirectional wireless remote control with status query • Proximity chip key		• Ideal basic equipment for protection against intrusion and fire • Freely extensible for apartment, home, and office building • 2 motion detectors for indoor surveillance • Magnetic contact for monitoring window or door • Optical wireless smoke detector with maximum temperature sensor • Bidirectional wireless remote control with status LEDs • Proximity chip key	
Scope of delivery	Wireless alarm control panel, wireless motion detector, wireless magnetic contact, wireless remote control, proximity chip		Wireless alarm control panel, 2 wireless motion detectors, wireless magnetic contact, wireless smoke detector, wireless remote control, proximity chip	
Language	DE, NL, FR	UK, DK, IT	DE, NL, FR	UK, DK, IT
Article number	**FU8001**	**FU8007**	**FU8002**	**FU8008**

Secvest 2WAY Wireless Alarm System



Intrusion

It happens every minute. Protect yourself and your property with active intrusion protection!

Fire

Every 2-3 minutes, a fire destroys values and endangers life. Smoke detectors save lives.

Water

Water damage can get very expensive. A timely warning can prevent worse damage.

Emergency

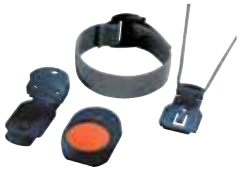
Quick, effective help is crucial in emergencies. Extend Secvest to become your home emergency call system.

	Secvest 2WAY Wireless Magnetic Contact Detector				Secvest 2WAY Wireless seismic Detector
Article number	**FU8320W/B, FU8321W/B**				**FU8380**
Product features	• High-quality magnetic contact • Detects opening of windows, doors, etc. • Capability of connecting other wired detectors • Can be used as a wireless module • Tamper protection				• Sensitive seismic detector • Suitable for windows, doors, and walls • Also suitable for monitoring objects that should not be moved • Various sensitivity settings
Scope of delivery	Contact Detector, 3V Lithium battery FU2990, mounting hardware, 6 spacer plates				Vibration Detector, 3V lithium battery FU2990, mounting hardware
Specifications	CC, white	CC, brown	FSL, white	FSL, brown	
Article number	**FU8320W**	**FU8320B**	**FU8321W**	**FU8321B**	**FU8380**

	Secvest 2WAY Wireless Motion Detector	Secvest 2WAY Pet-Proof Wireless Motion Detector
Article number	**FU8350**	**FU8360**
Product features	• Passive infrared motion detector for indoor areas • Detects warm objects in motion • Monitors whole rooms • 90° angle of view, ideal for corner mount • Detection range: 15 meters	• Ignores pets weighing less than 30 kg • Passive infrared motion detector • Detects warm objects in motion • Monitors whole rooms • 90° angle of view, ideal for corner mount • Detection range: 12 meters
Scope of delivery	Motion detector, 3.6V lithium battery FU2992	Motion detector, 3.6V lithium battery FU2992
Article number	**FU8350**	**FU8360**

Secvest 2WAY Detectors

	Secvest 2WAY Wireless Glass Break Detector	Secvest 2WAY Wireless Water Detector	Secvest 2WAY Wireless Smoke Detector
Article number	**FU8370**	**FU8330**	**FU8340**
Product features	• Reliable (acoustic) detection of breaking glass • For monitoring glass surfaces • Distance to glass: up to 9 m • Differentiates between bursting windows and drinking glasses • No wires required on window	• Detector for Secvest • Detects water • Protects against water damage • Easy installation • Waterproof sensor • Reversible (detects dry conditions)	• Optical smoke detector with maximum temperature sensor • Sends fire alarm to the alarm control panel • Compliant to EN 14604 • Integrated Piezo alarm • Audio warning and status signal to the alarm control panel in case of weak battery
Scope of delivery	Glass break detector, 3V lithium battery FU2990, mounting hardware	Water detector, 3V lithium battery FU2990	Smoke detector, 9V lithium battery FU2993
Article number	**FU8370**	**FU8330**	**FU8340**

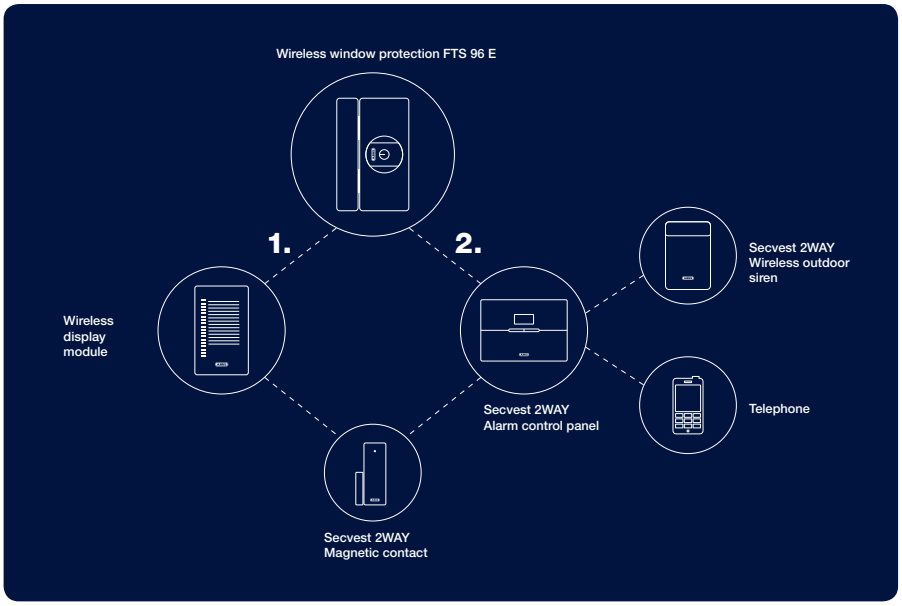
	Secvest 2WAY Wireless Panic alarm Button		Secvest 2WAY Wireless Fire Alarm Button		Secvest 2WAY Wireless Emergency Transmitter	Secvest 2WAY Wireless Panic alarm Transmitter
Article number	**FU8300**		**FU8310**		**FU8390**	**FU8305**
						
Product features	• Convenient on-wall mounting • Triggers silent alarm • For inconspicuous and unobtrusive alarm		• Convenient on-wall mounting • Reliably triggers fire alarm		• For quick alert in case of home care emergency • Small and handy • Splash proof • Attach to arm, belt, or carry around the neck	• Triggers an inconspicuous panic alarm • Small and handy • Splash proof • Attach to arm, belt, or carry around the neck
Scope of delivery	Hold-up button, 3V lithium battery FU2987, 5 paper inserts (FU8301)		Fire button, 3V lithium battery FU2987, 5 paper inserts (FU8311)		Emergency transmitter, belt clip, bracelet, neck band	Hold-up transmitter, belt clip, bracelet, neck band
Article number	**FU8300**	**FU8301**	**FU8310**	**FU8311**	**FU8390**	**FU8305**

Secvest 2WAY Wireless Alarm System

Mechanics and electronics for active intrusion protection

- Faster than the intruder: trigger an alarm before the intruder is inside the object
- More than 1 ton of pressure resistance
- Perfect control: Due to the wireless display module you can always see which windows are not locked

Every minute there is an intrusion somewhere. A burglar needs only 7 seconds to open an unsecured window. Thus, 80% of intrusions occur through windows or patio doors.The wireless window protection systems FTS 96 E and Secvest 2WAY stop intruders more effectively than ever before. With a pressure resistance of more than one ton, the FTS 96 E confronts the intruder with insurmountable resistance. At the same time, Secvest 2WAY triggers an alarm – which drives the intruder off. This makes the Secvest wireless alarm system the first alarm system that actively protects against intrusion and triggers an alarm at the same time.



The wireless window protection system can be used in different ways

1) In combination with the display module. All magnetic contacts and FTS 96 E can be monitored on the display module. Advantage: You see at a glance which windows/ doors are secured
2) In combination with a Secvest alarm system, the FTS 96 E is mechanical protection and alarm detector at the same time. In case of an attempted intrusion, the Secvest immediately triggers an alarm - either by siren or by phone, depending on the settings.

Wireless Window Protection System FTS 96 E

Wireless Window Protection System FTS 96 E	
	Article number FU8410W/B - FU8416W/B
Technology	Latching steel bolts, magnetic field sensors
Wireless technology	Frequency: 868.6625 MHz; transmission power: max. 10mW, FM modulation
Pressure resistance	More than 1 ton
Compatibility	Secvest 2WAY or wireless display module, suitable for all inwards opening windows and windowed doors
Certifications	VdS-approved mechanics
Power supply	3V, 2 x 1.5V alkaline batteries, battery life: Ca. 2 years
Locking	Uniform locks: 1 key for all units, 5 locking variants available
Connections	Push terminal for optional integration of a passive glass break detector
Dimensions, weight	78x125x55 mm (WxHxD); 1050 g
Operating temperature	from -10 to +55 °C
Monitoring	Tamper monitoring, voltage monitoring
Scope of delivery	Wireless window protection system, 2x 1.5V AAA batteries, 2 keys

Color option

VdS Mechanical Protection

VdS Home H 110003

Lock number	AL0089	AL0125	AL0145	AAL0006	AAL0054
Article number white	FU8410W	FU8411W	FU8412W	FU8415W	FU8416W
Article number brown	FU8410B	FU8411B	FU8412B	FU8415B	FU8416B

secvest

	Wireless Display Module	Wireless Retrofit Kit for FTS 96		Drilling template for FTS 96 / 96 E	Mounting anchor
Article number	**FU8403**	**FU8402W**	**FU8402B**	**FU8408**	**FU8406, FU8407**
Product features	• 2 LEDs for status display • Compatible with the FTS 96 E wireless window protection system and Secvest wireless magnetic contacts • 16 display channels, programmable separately	• Combines mechanical with electronic security technology • Turns existing FTS 96 into alarm triggers for Secvest 2WAY		• Facilitates secure installation of the window protection system • Metal • Dimensions: LxWxH: 155x105x70 mm	• For ABUS security systems according to DIN, VdS, and SKG • Reliable tear-off resistance
Scope of delivery	Power supply, 7 inserts DIN A 5, mounting hardware	Retrofit kit, batteries, electronics attachment		Drilling template	10 piece anchor set
Color		white	brown		hole saw
Article number	**FU8403**	**FU8402W**	**FU8402B**	**FU8408**	**FU8406** **FU8407**

Secvest 2WAY Wireless Alarm System

The Secvest Key 2WAY wireless cylinder is the most convenient option for controlling the Secvest 2WAY. It gets deactivated automatically upon unlocking and activated upon locking.
When you leave the house, just push the button and activate by locking up. You receive an acoustic confirmation.

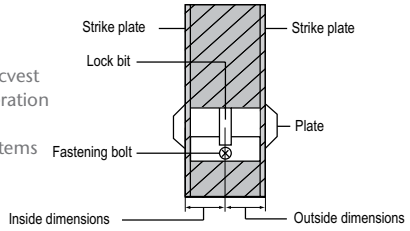
Secvest Key 2WAY

Article number FU5897-8, FU5900-FU5981, FU5983-FU5990

New sensor technology

Product features

- First wireless arming cylinder in the world
- Activating and deactivating the Secvest 2WAY Convenient one-button operation
- Acoustic status notification
- Can be integrated into locking systems
- Available in different lengths



Scope of delivery	Secvest Key 2WAY, 3 keys per closing, mounting key, 3V lithium battery (FU2990), manual
Wireless technology	Frequency: 868 MHz, Transmission power: 10mW
Housing material	ABS
Operating temperature	-10°C to +55°C
Weight	100g (without cylinder and battery)

Installing the wireless cylinder is extremely easy: Pull the old cylinder out and insert the wireless cylinder. The door knob is located at the inside of the door. Attach the Secvest Key with a forend screw. The wireless cylinder fits all doors with Euro profile. For simple and precise measurement use the ABUS gage that you can order for free.

An overview of our most popular models

Outside dimension mm	30	35	35	40	40	45	45	50
Inside dimension mm	35	35	40	40	45	40	45	45
Article number	FU5901	FU5910	FU5911	FU5920	FU5921	FU5929	FU5930	FU5939

Other cylinder lengths available in the webshop www.abus-sc.com or upon request. Retrofitting of cylinders of other manufacturers is also possible.

Just one push - for comfort and security

The bidirectional Secvest 2WAY wireless remote control allows operating the alarm system with a push of a button. Furthermore, you can check the current status of the system. You activate and deactivate the alarm system and receive immediate feedback via the four integrated LEDs. You can manually trigger a hold-up alarm and also switch an output.

All entrances "safe" - with the keypad

Per PIN code you can control your system from any wireless keypad. If the wireless keypad has an external 12V power supply, you can also activate and deactivate using a proximity chip key. Up to 4 keypads can be integrated in the alarm system. Installed in different parts of your building, these expansion modules provide added convenience.

Security in one turn - with the wireless key switch

No more forgetting your PIN code due to the wireless key switch: This device out of the Secvest range replaces entering the code at the control panel or keypad by simply turning a key. Two integrated LEDs show the system status. False alarms due to unknown status are thus avoided.

Operation and display

	Secvest 2WAY Wireless Key Switch	Secvest 2WAY Wireless Remote Control	Secvest Wireless Remote Control	Proximity Chip Key
Article number	**FU8165**	**FU8100**	**FU8150**	**AZ5501**
Product features	• Bidirectional • Easy activation and deactivation without code entry • Simple installation • Rugged housing • Core extraction protection	• 4 LEDs for displaying the current system status • Feedback for status changes • Freely programmable fourth button • Manual hold-up alarm	• Activating and deactivating the Secvest 2WAY with a push of a button • Integrated panic function • Range: up to 30 m • Dim. (WxHxD): 34x60x15 mm	• Simply hold in front of alarm control panel or keypad • Completely touch free • No more "forgotten PIN code" • Integration of up to 50 chip keys
Scope of delivery	Key switch, 3.6 V AA lithium battery FU2992, half-cylinder C83 10/30, 3 keys, mounting hardware.	Wireless Remote Control ABUS Lanyard, battery FU2987	Wireless remote control, battery	Proximity chip
Article number	**FU8165**	**FU8100**	**FU8150**	**AZ5501**

	Secvest 2WAY Wireless Keypad	Secvest 2WAY Wireless Info Module	Secvest 2WAY Wireless Universal Module			
Article number	**FU8110**	**FU8200**	**FU8210**			
Product features	• Integrated reader for proximity chip key • Also for outdoor areas • Output switching • Powered via battery and externally (12V) • Feedback via LEDs	• Informs about the status of Secvest 2WAY • 8 different LED displays • Different signal/alarm sounds • Integrated Piezo • External power supply 12V	• NEW: Repeating for bidirectional 2WAY devices possible • 7 features: Repeater, output module, transmit/receive module, siren module, siren transmit/receive, receiver module, Secvest Key module • Turns wired alarm systems into hybrid alarm systems			
Scope of delivery	Keypad, 3V CR2 lithium battery FU2990	Info module, installation material	Universal module, mounting hardware			
			UVM	**Battery**	**Power supply**	**Integr. Power suppyl**
Article number	**FU8110**	**FU8200**	**FU8210**	**FU3821**	**FU3822**	**TVAC35200**

Secvest 2WAY Wireless Alarm System

Secvest 2WAY Outdoor siren

- Range up to 100 meters
- Tamper protection via lid and wall contacts
- Confirmation signal possible for activating or deactivating of the system
- Exclusive 868 MHz security frequency, FM modulation
- Two sirens can be integrated into one system

This professional signal device is the crucial device for a complete wireless alarm chain. In case of alarm, the wireless outdoor siren with flashing LEDs creates a very loud signal tone with 105 dB acoustic pressure. In addition to the acoustic alarm, a visual alarm is created by a strip of red LEDs (flash frequency 1Hz) that can be positioned at the top or bottom of the siren. Flash and siren are controlled separately.

Silent alarm

Our versatile dialers are perfecting the silent alarm: that is how the alarm provides valuable information. This way you are always informed and can react immediately, regardless where you are. Furthermore, it is possible to access the system via phone (e.g. for activating or deactivating). Of course, you can also easily add a notification to an emergency dispatch.

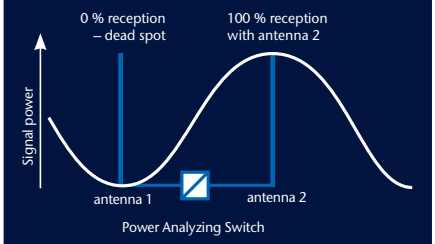
Secvest 2WAY alarm and notification

	Secvest 2WAY Wireless Outdoor Siren	Secvest 2WAY Wireless Outdoor Siren Kit	Secvest 2WAY Wireless Indoor Sounder
Article number	**FU8220**	**FU8250**	**FU8230**
Product features	• Rugged, compact, injection-molded polycarbonate housing • Loud combination signal device • Wireless outdoor siren with a range of up to 100m • Integrated level for fast installation	• Rugged, weatherproof outdoor siren • Xenon flash technology • Several layers of tamper protection • With backup power, backup batteries included	• Acoustic support for Secvest and wireless outdoor siren • Rugged, injection-molded ABS housing • Powerful signal device (90 dB @ 1m) • DC power connection for operation without batteries (optional)
Scope of delivery	Outdoor siren, 2x 3V alkaline battery FU2986, mounting hardware	Compact alarm system, wireless universal module, power supply, siren connector cable, VdS battery 1.2 Ah, battery pack for universal module	Indoor siren, 3x 1.5V LR20 mono cell, mounting hardware
Article number	**FU8220**	**FU8250**	**FU8230**

	Secvest 2WAY GSM module	Secvest 2WAY ISDN module	Secvest 2WAY Ethernet module
Article number	**FU8010**	**FU8020**	**FU8030**
Product features	• Transmits voice messages and protocols • Redundant transmission during PSTN failure • Ideal for buildings without phone connection (vacation homes, etc.) • Easy installation or retrofitting • Antenna can be concealed in housing	• Transmits voice messages and protocols • For objects with ISDN-connection • Simple installation or retrofitting	• For IP-based alarm notifications • For worldwide access to the Secvest 2WAY • Simple installation or retrofitting • Redundant transmission in case of PSTN failure
Scope of delivery	GSM-Modul	ISDN-Modul	Ethernet-Modul
Article number	**FU8010**	**FU8020**	**FU8030**

Secvest 2WAY Wireless Alarm System

With the Secvest Demo suitcase, ABUS Security-Center offers new possibilities for presentation and sale of Secvest 2WAY. The high-quality aluminum suitcase contains the alarm control panel as well as the most important components of Secvest 2WAY. Due to the shock-proof foam double-lining around all of the devices, it is possible to give a professional demonstration of the Secvest 2WAY wireless alarm system anywhere - whether in a store or on-site at the customer's location.



Safety

The advanced duplex antenna technology used in the Secvest 2WAY describes a method of using 2 antennas in the receiver in order to reduce interferences during radio transmission. By using this technology it virtually can be avoided that the receiver is in a dead spot.

Secvest 2WAY Demo suitcase

Article number FU8003 / FU8009

Product features

- For professional product presentation at the customer's location
- Functional system in a high-quality aluminum case
- Contains all important components

Scope of delivery

Secvest 2WAY wireless alarm control panel, wireless smoke detector, wireless motion detector, magnetic contact white and brown, wireless seismic sensor, wireless keypad, wireless remote control, wireless emergency transmitter, wireless info module, proximity chip key, wireless outdoor siren, power supply, suitcase

Language	DE, NL, FR	UK, DK, IT
Article number	**FU8003**	**FU8009**

FTS 96 E Demo suitcase / Secvest Key 2WAY Demo door model

Article number FU8405 / FU8409 / FU5982

Product features

- For professional product presentation at the customer's location
- Functional system in a high-quality aluminum case
- Can be combined with the Secvest 2WAY Demo suitcase

- High-quality partial door element
- Matches the Shop-in-Shop system
- Includes fully functional Secvest Key 2WAY for live demonstrations

Scope of delivery

Suitcase, window frame with mounted FTS 96 E

Door model including Secvest Key 2WAY, battery FU2990

With display module and magnetic contact	no	yes	
Article number	**FU8405**	**FU8409**	**FU5982**

Secvest 2WAY Demo suitcase & accessories

	Secvest 2WAY 868 MHz Wireless Test Box
Article number	**FU3801**
Measuring range	from -115 to -50 dBm
Wireless technology	868,6625 MHz
Connections	BNC plug 50 Ohm; Outputs: Jack socket 3.5mm (mini jack) communication via RS232 with Hyperterminal,
Sensor type	Omnidirectional antenna
Speaker type	Piezo
Signal output	RS232
Display	Alphanumeric display 2 x 16 characters
Sensitivity	-115 dB
Power supply	2x AA, alkaline, battery monitoring via LED, Power supply: 3VDC
Dimensions, weight	80x150x30mm; 250g with batteries
Scope of delivery	Wireless test box, batteries
Accessories	PC cable for wireless test box (see below)
Article number	**FU3801**

- Calibrated measuring device
- A must for professional installation
- Possibility for 24 hour long-term tests
- Realtime clock
- Analysis of measuring on PC possible

To ensure a failure-free operation of wireless alarm systems it is useful to look for an ideal place for the installation of the alarm panel. The constructional settings of a building have an important impact on the transmission. Thus, it is recommended to test the range before installing the alarm panel.
The test box takes the place of the alarm panel. By triggering one of the wireless components (e.g. a detector) the location specific transmission and received power can be determined. If the signal strength is unsufficient, you can enlarge the range by installing the Secvest 2WAY wireless universal mudule FU8210.

	USB cable	Secvest Switching Power Supply	Integrated power supply	PC cable for wireless test box
Article number	**FU5009**	**FU3822**	**TVAC35200**	**FU3810**
Product features	• Programming the Secvest via PC • Simple connection • Software comes with alarm control panel • Updates via the Internet	• Suitable for info module, keypad, indoor siren, universal module • Switching power supply with integrated breaker	• Stabilized Mini Switching Power Supply • Also ideal for installation in flush-mounted 55 mm boxes • Voltage: 230 VAC/12 VDC (1 A)	• Connection of wireless test box to a laptop • Easy export of data as text or an Excel file
Scope of delivery	USB cable	Switching power supply	Integrated power supply	PC cable
Article number	**FU5009**	**FU3822**	**TVAC35200**	**FU3810**

Batteries

In our Webshop www.abus-sc.com you can find matching batteries for all wireless devices:

FU2986: Siren
FU2987: Remote control, panic and fire alarm button
FU2990: keypadl, Secvest Key, opening, vibration, water and glass break detector
FU2992: Key switch, motion detector
FU2993: smoke detector
FU2996: Secvest 2WAY control panel

ABUS wireless alarm systems

The next generation wireless alarm system: Secvest 2WAY blends innovative radio technology with active intrusion protection and revolutionary design.

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Privest convinces due to exceptional value for money among the high-quality wireless alarm systems.

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ABUS wireless alarm systems comparison

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Signal transmission	868 FM MHz security frequency	868 AM MHz security frequency, rolling code
Display	graphical display	alphanumeric display
Alarm zones	48 wireless zones, 2 wired zones	32 wireless zones, 1 wired zone
Number of wireless remote controls	20	8
Status light	yes	no
Switching outputs	2 relay outputs, 32 wireless switch outputs (optional)	2 relay outputs, 2 transistor switch outputs, 1 siren
Duplex antenna technology	yes	no
Power supply	integrated power supply, 230 VAC connection	external power supply, 9 VAC
Integrated dialer	Language & control panel protocol, SMS	voice transmission
Individual voice messages for zone texts	yes	no
Integrated signal device	yes (97 dB @ 1m)	yes (90 dB @ 1m)
Emergency power supply	yes, battery (rechargeable)	yes, battery (rechargeable)
Chip key / proximity reader	yes, integrated	no
PC interface	yes (integrated)	yes (integrated)
ISDN module (optional)	yes	no
GSM module (optional)	yes	no
Ethernet module (optional)	yes	no
Activity monitoring (alarm for motionless persons, e.g. seniors)	yes	no
Event memory	250 messages	256 messages
Partitions	4	3
Remote maintenance	yes	yes
Downloader software	included	available separately
Installation DVD	no	yes
Certifications	VdS Home, VSÖ, NCP, Incert, F&P, EN	-
Warranty	36 months	24 months
Dimensions (WxHxD) in mm	285 x 206 x 45	240 x 196 x 45

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WIRELESS ALARM SYSTEM

Privest is easy to use and comes with a professional installation DVD as well as clear instructions: an ideal product for do-it-yourselfers and retail customers.

ABUS Privest Wireless Alarm System

Security can be that simple

- Long range
- Easy to extend
- Easy self-installation
- Installation video included
- Small dimensions

The ABUS Privest wireless alarm system combines elegant, timeless design with usability. The innovative AM wireless technology works within the 868 MHz band on a frequency specifically reserved for wireless alarm systems. The voice menu greatly facilitates programming and control. In case of an event, the integrated Piezo signal device alerts occupants to dangers such as fire, water, intrusion, or emergencies. In addition, an integrated voice dialer (AWAG) contacts an emergency dispatch or possibly calls a cell phone. The ABUS Privest wireless alarm system is thus a perfect entry into professional alarm technology.

privest.®

Privest makes security affordable for anyone while being reliable and easy to use. The independent ETM Testmagazin corroborates the very high quality as well as the excellent value for the money: Privest emerged as the test winner with 93.4% and an A rating among the low-cost wireless alarm systems.

ABUS Privest wireless alarm system and kits

	Privest Wireless Alarm Control Panel
Article number	**FU9010, FU9011, FU9012, FU9013**
Alarm zones, partitions	32 freely programmable wireless alarm zones, 1 wired zone, 3 partitions
Wireless technology	Frequency: 868 MHz AM, narrow band, encrypted, power: 10 mW
Users, control devices	Up to 34 users with different authorizations; up to 8 wireless remote controls; up to 2 wireless keypads
Switching outputs	2 relay outputs, 2 transistor outputs, 1 signal device output
Alarm	Integrated Piezo siren for alarm (90 dB @ 1m), integrated analog voice dialer (AWAG)
Control	Controlled via PIN code, remote control, wireless keypad, or wireless key switch; voice menu
Display	Alphanumeric display, 2 lines
Event memory	256
Audio	Integrated microphone and speaker
Power supply	230 V- 50 Hz AC (secondary: 9 VDC); backup power supply: 6x 1.2 V NiCd or 6x 1.5 V alkaline batteries
Dimensions, weight	240 x 190 x 48 mm (WxHxD), 970 g (including batteries)
Scope of delivery	Wireless alarm control panel, backup battery, installation DVD, installation handbook

Language	German	English	Dutch	French
Article number	**FU9010**	**FU9011**	**FU9012**	**FU9013**

	Privest Wireless Alarm Base Set	Accessories: Euro plug power supply	Optional accessories: USB cable
Article number	**FU9000, FU9001, FU9002, FU9003**	**FU9095**	**FU9099**
Product features	• Inexpensive entry package • Long range • Easy to extend • Easy self-installation with installation video • Small dimensions	• Privest power supply • Short-circuit protection • Euro plug • Overload protection • Facilitates simple installation of the wireless alarm system	• Easy connection to PC/laptop via USB • Programming the complete system • Software also downloadable • Quick readouts of event memory
Scope of delivery	Wireless alarm control panel, power supply, backup batteries, installation DVD and manual, wireless magnetic contact with included batteries, wireless motion detector with included batteries, wireless remote control with rolling code and included batteries		

Language	German	English	Dutch	French		
Article number	**FU9000**	**FU9001**	**FU9002**	**FU9003**	**FU9095**	**FU9099**

ABUS Privest Wireless Alarm System

Intrusion

Every minute a burglary takes place. Protect yourself and your property: Every third intrusion attempt fails due to electronic and mechanical security measures. About 80% of all burglaries are crimes of opportunity, and intruders immediately flee when they encounter a professional alarm system.

Fire

Every couple of minutes a fire breaks out somewhere. The Privest wireless smoke detector in combination with the Privest wireless alarm control panel is a dependable system that immediately informs you about a fire and reliably sends a fire alarm to the authorities. This way you can save your family and your property.

Water damage

Washing machines, dish washers, or water faucets that were left open often cause considerable damage. Expensive repairs on buildings and household items are the consequence. The Privest water detector combined with the alarm control panel gives you reliable warnings, also for minor floodings. This way you can intervene in time and avoid further damage.

ABUS Privest Detectors

	Privest Wireless Magnetic Contact		Privest Wireless Vibration Detector	Privest Wireless Motion Detector
Article number	**FU9025W/FU9025B**		**FU9050**	**FU9015**
Product features	• Secures doors and windows • Opening of entry ways is detected reliably • Possibility to connect additional wired detectors • Can be used as wireless module		• Sensitive vibration detector • Suited for windows, doors, walls • Reacts to mechanical vibrations • Also suitable for objects that are not to be moved	• Detects warm objects in motion • 90° angle of view, ideal for corner mount • Monitors whole rooms • Detection range 15 meters
Scope of delivery	Opening sensor, 3V lithium battery FU2998		Vibration detector, 3V lithium battery FU2998	Motion detector, 3V lithium battery FU2998
Colour	white	brown		
Article number	**FU9025W**	**FU9025B**	**FU9050**	**FU9015**

	Privest pet proof Wireless Motion Detector	Privest Wireless Water Detector	Privest Wireless Smoke Detector
Article number	**FU9020**	**FU9040**	**FU9035**
Product features	• Detects warm objects in motion • 90° angle of view, ideal for corner mount • Monitors whole rooms • Detection range 12 meters • Resists pets up to 30 kg	• Detects liquids • Reliably and quickly warns about water damage • Monitoring of basement rooms, washing machines, and drains • Flexibility in installation of sensors • Sensor cable length: 2m	• Detects visible smoke particles • Sends a fire alarm to the alarm control panel • Integrated Piezo alarm • Integrated test button • Detection range: 40 m²
Scope of delivery	Motion detector, 3V lithium battery FU2998	Water detector, 3V lithium battery FU2998	Smoke detector, 3V lithium battery FU2998
Article number	**FU9020**	**FU9040**	**FU9035**

ABUS Privest Wireless Alarm System

Effective alarms

- Loud siren with 105 dB acoustic pressure
- Optical alarm via bright LED flash with low power consumption
- Rugged housing
- Tamper protected

Sirens are used for acoustic alarms. The acoustic alarm device generates a piercing alarm sound that scares intruders and makes them deaf towards surrounding noises.
Visual alarms are given via a flashing light. The bright flashing does not only have an alarm function but also guides approaching helpers to the alarm location. The flash lamp should always be pointed towards the street, so that it can be seen from large distances.

Whether you enter a PIN code at the control panel (left), use a key switch (middle), or a remote control (top) - (de)activating the Privest wireless alarm system is very easy.

ABUS Privest signal device and control devices

	Privest Wireless Outdoor Siren	Privest Wireless Indoor Siren
Article number	**FU9080**	**FU9090**
Product features	• Loud siren with 105 decibel acoustic pressure • Optical alarm via LEDs flashing at adjustable frequency • Separate controls for siren and flash • Rugged, weatherproof housing with protection class IP44 • Battery powered • Tamper proof due to wall and lid contacts	• Effectively alerting occupants in case of alarm (e.g. fire) • Loud Piezo signal device with 105 decibel acoustic pressure • Tamper proof due to lid and wall contacts • Independent installation due to battery powered operation • Integration of max. 3 sirens (indoor + outdoor) • Dimensions (WxHxD): 120x146x50 mm
Scope of delivery	Wireless outdoor siren, 5 x CR123, 3V lithium battery FU2998 (battery life ca. 2 years)	Wireless indoor siren, 5 x CR123 3V lithium battery FU2998 (battery life ca. 2 years)
Article number	**FU9080**	**FU9090**

	Privest Wireless Key Switch	Privest Wireless Keypad	Privest Wireless Remote Control	Batteries
Article number	**FU9070**	**FU9045**	**FU9031**	
Product features	• Easy to activate and deactivate without having to enter a code • Tamper protection via lid and wall switches as well as core extraction protection • Integrated LEDs for transmission and status display • For indoor and secured outdoor areas, protection class IP55	• Up to 2 wireless keypads can be connected to one Privest • Control via PIN code • For activating, internally activating, or deactivating the alarm control panel • With manual burglary, fire, and emergency alarm functions • Switching of outputs	• Controlled via pressing a button without PIN code • Buttons for activating and deactivating the Privest wireless alarm control panel • Triggers a burglary alarm • Switches outputs • Small and handy	Under www.abus-sc.com you can find all batteries for the Privest wireless alarm system: FU2998: Outdoor siren, keypad, opening, vibration, water, motion and smoke detector FU2991: Remote control
Scope of delivery	Wireless key switch, 3 keys,9V block battery, mounting hardware	Wireless keypad, 3V lithium battery FU2998 (battery life ca. 2 years)	Wireless remote control, 3V CR 2430 button cell FU2991 (battery life ca. 2 years)	
Article number	**FU9070**	**FU9045**	**FU9031**	

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WIRED AND HYBRID ALARM SYSTEMS

For apartments, homes, office buildings, or commercial properties: the Terxon series guarantees custom-tailored protection from small to large, for any requirements - in an elegant, timeless design.

Terxon SX Alarm Control Panel

Terxon SX. Protection that anyone can afford

- For allover protection in private homes and smaller commercial properties
- Convenient operation via LCD keypad
- Optionally extensible with plug-in relay module
- Small, compact housing

The Terxon SX alarm control panel is the burglary alarm center for smaller properties from the ABUS product line. 9 zones ensure allover protection. The Terxon SX is the ideal entry-level model in the world of wired alarm technology.

terxon.®

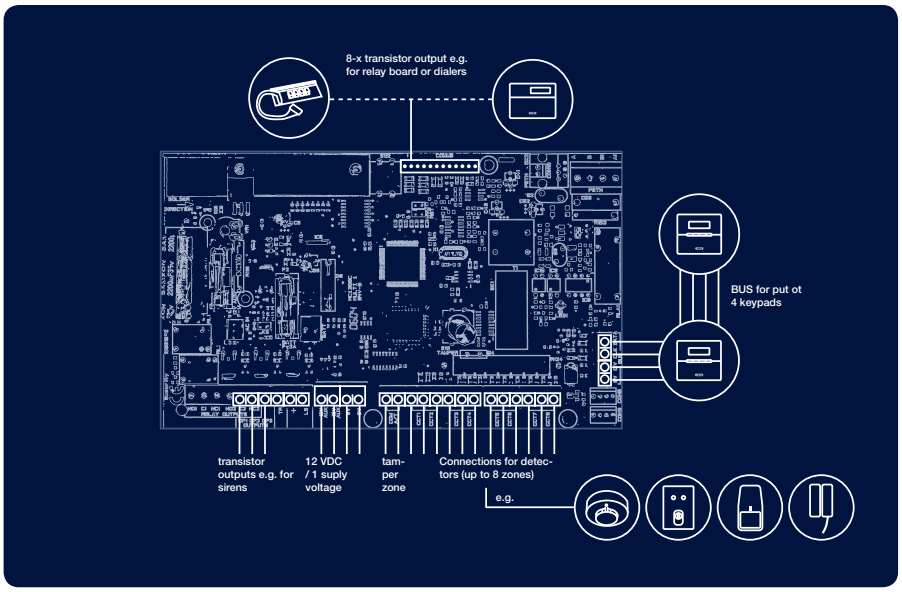
Wired connections

Wired alarm systems are an inexpensive alternative to wireless systems, especially for new construction or properties with existing cable ducts (e.g. commercial properties or production facilities). A wired system allowes you to attach se-veral detectors to each zone. For easy identification in cases of emergency and other events, this should be restricted to logical units (e.g. all opening detectors of a room)

Terxon SX Alarm Control Panel

	Terxon SX Alarm Control Panel
	Article number AZ4000
Alarm zones, partitions	8 zones + 1 tamper zone; 4 surveillance areas, 1 main area, and 3 subareas are possible
Zone termination	NC or DEOL with separate handling of alarm and tampering per zone
Users	Up to 16 users and/or 16 proximities, max. 4 keypads; programming via keypad
Switching outputs	3x transistors combined max. 500 mA, 8 x 50 mA, freely programmable
Alarm	Buzzer in keypad
Extensibility	-
Display	Alphanumeric LCD display, 2 lines
Event memory	Up to 250 events with date and time
Tampering	2 tampering lines, one for sounder, one for detector; housing and keypad protected against tampering
Connections	230 V screw terminal, speaker, zone screw terminal, transistor outputs, 13.8 V screw terminal
Housing material	Alarm Control Panel: Metal, keypad: ABS
Certifications	INCERT, F&P, NCP
Languages	11 languages selectable
Power consumption	Primary: max. 200 mA; Secondary: max. 1.0 A
Battery type	12 V DC, 7.0 Ah optional lead acid battery: BT2070
Power supply	2 Primary: 230 V AC +/- 10 %; Secondary: 13.8 V DC +/- 10 %, voltage monitoring; optional backup battery
Dimensions, weight	Alarm control panel: 240 x 240 x 85 mm, 2.45 kg; keypad: 113 x 90 x 23 mm
Scope of delivery	Alarm panel, keypad, resistors

Article number	**AZ4000**


8-x transistor output e.g. for relay board or dialers
BUS for put ot 4 keypads
transistor outputs e.g. for sirens
12 VDC / 1 suply voltage
tam-per zone
Connections for detec-tors (up to 8 zones)
e.g.

Possible connections on the board

The Terxon SX has 8 freely programmable zones for NC detectors and an additional tamper zone. The type of wiring is up to you: You can use an NC circuit (without resistors, all tamper contacts combined, 4 wires required) or a DEOL circuit (2k2/4k7 resistors / alarm and tamper contacts in series connection / 2 wires required). A special tampering zone is reserved for the sounder. The 3 transistor outputs with a switching capacity of 500 mA can be assigned to a specific event. The Terxon SX can be extended with a relay board (8 relays with 1 A switching capacity). 4 keypads can be attached overall. They are connected with 4-conductor bus wiring. Use a code or a chip key to operate the device. Up to 16 user codes can be defined.

Terxon SX Alarm Packages

Inexpensive packages for versatile security kit

- Attractive complete packages with cost savings
- Includes extensive accessories
- Three custom-tailored packages
- Effective protection

The Terxon SX alarm kits are the ideal entry-level packages in the world of wired alarm technology. They contain all essential components for effective and complete protection. When needed, detectors can be replaced and the system can be extended at any time. The basic part of the alarm kit is the Terxon SX alarm control panel from ABUS Security-Center

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Terxon SX Alarm Packages

	Terxon SX Base kit with sounder	Terxon SX Full Kit with sounder	Terxon SX Full Kit with dialer
Article number	**AZ4299**	**AZ4300**	**AZ4350**
Product features	• The ideal entry-level model in the world of wired alarm technology • Unbeatable price-to-performance ratio • Includes compact sounder	• The optimal basic equipment for effective protection • Unbeatable price-to-performance ratio • With VdS motion detectors • Includes compact sounder	• The optimal basic equipment for effective protection • Unbeatable price-to-performance ratio • VdS motion detector • With PSTN dialer and indoor sounder
Optional accessories	Detector, keypad, dialers	Detector, keypad, dialers	Detector, keypad, compact sounder

Product			
Terxon SX Alarm Control Panel	1	1	1
VdS battery 7 Ah	1	1	1
VdS battery 2.1 Ah	1	1	
50 m alarm cable	1	1	1
Soldering termina distributor		5x	5x
Screw terminal distributor	2x		
Opening detector	2x	5x	5x
Motion detector	2x		
VdS Motion detector		2x	2x
Compact siren	1	1	
Indoor sounder			1
Key switch		1	1
Half cylinder		1	1
PSTN dialer			1

Article number	AZ4299	AZ4300	AZ4350

Terxon MX/MX Compact Alarm Control Panel

Terxon MX: A hybrid alarm system for all needs

- For all-over protection in private homes and smaller commercial properties
- Can be extended to 32 zones (wired / wireless)
- Convenient operation via LCD keypad
- Optionally extensible with plug-in relay module

The Terxon MX alarm control panel is a professional hybrid alarm system. In addition to wired detectors you can integrate all Secvest wireless devices and thereby turn it into a hybrid system. Up to 32 alarm zones are provided for a complete all-over protection. From apartments to larger building complexes: Terxon MX provides many possibilities for securing your property.

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The protection of medium-sized and larger properties requires a comprehensive and flexible system, that can be extended anytime. The Terxon MX meets all these requirements. This hybrid system allows the integration of wireless detectors in addition to the wired detectors. When an extention is planned (for example in case of a building enlargement), it isn´t necessary to replace the existing system.

Terxon MX/MX Compact Alarm Control Panel

	Terxon MX/MX Compact Alarm Control Panel
Article number	**AZ4100, AZ4150**
Alarm zones, partitions	8 zones, 1 tamper zone; up to 4 partitions, either 1 main partition and 3 sub partitions or 4 partitions of equal status
Zone termination	NC or DEOL
Users and Operation	Up to 16 users and/or 16 proximities, max. 4 key pads; programming directly via key pad, software, or modem; remote access possible
Switching outputs	11: transistor 1 x 500 mA, 2 potential-free relays of 1000 mA each, 8 additional ones of 50 mA each, freely programmable
Alarm	Buzzer in keypad, integrated analog dialer; protocols: Fast Format, Contact ID, SIA, Homebeep
Extensibility	Yes: can be extended by up to 24 wireless or 24 wired zones
Display	Alphanumeric LCD display, 2 lines
Event memory	Up to 250 events with date and time
Tampering	2 tampering lines, one for sounder, one for detector
Connections	230 V screw terminal, speaker, zone screw terminal, transistor outputs, 13.8 V screw terminal, RS-232, PSTN
Housing material	Alarm control panel: Metal, keypad: ABS
Certifications	INCERT, VSÖ, F&P, NCP
Languages	11 languages selectable
Power consumption	Primary: max. 200 mA; Secondary: max. 1.0 A
Battery type	12 V DC, 7.0 Ah lead acid battery for backup power
Power supply	Primary: 230 V AC +/- 10 %; Secondary: 13.8 V DC +/-10 %, voltage monitoring
Dimensions, weight	MX: 390 x 310 x 90 mm, 5 kg; MX compact: 235 x 235 x 85 mm, 3.3 kg
Scope of delivery	Alarm panel, keypad, resistors

Version	Terxon MX	Terxon MX compact
Article number	**AZ4100**	**AZ4150**

Optional accessories:

Serial cable

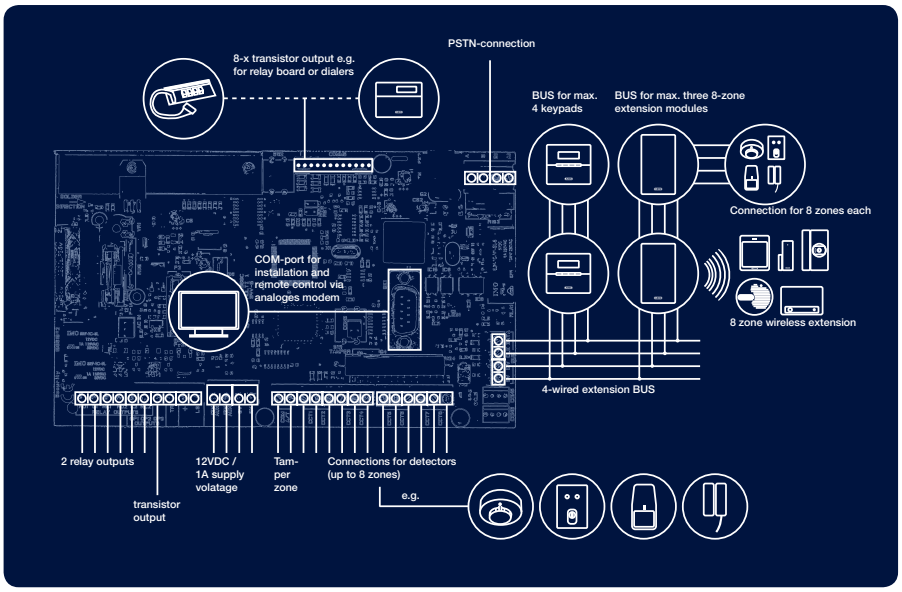
- For convenient programming of the control panel via the PC
- Free software for download

Article number: AZ5106

USB adapter cable

- For convenient programming of the Terxon MX via the PC
- Only in combination with AZ5106

Article number: AZ5107


8-x transistor output e.g. for relay board or dialers
PSTN-connection
BUS for max. 4 keypads
BUS for max. three 8-zone extension modules
Connection for 8 zones each
COM-port for installation and remote control via analoges modem
8 zone wireless extension
4-wired extension BUS
2 relay outputs
12VDC / 1A supply volatage
Tam-per zone
Connections for detectors (up to 8 zones)
e.g.
transistor output

A broad range of possibilities

Terxon MX offers many possibilities for securing your property. The motherboard has 8 freely programmable wired zones for detectors. A 9th zone is configured as a tamper zone. 4-conductor bus wiring allows to connect expansion modules for 8 zones (wireless and/or wired). The Terxon MX motherboard provides 1 transistor and 2 relay switching outputs that are activated by specific events (alarm, fire, panic). You can optionally integrate an additional relay board with 8 outputs into the Terxon MX. An LCD keypad for configuring and/or arming/disarming the system is already included. The system is also conveniently configurable via software. Three additional keypads can be connected.

Expansions for Terxon SX/MX

Integrate 2WAY wireless devices into wired alarm systems

The Terxon 2WAY module can integrate the following Secvest 2WAY components into wired alarm systems such as Terxon SX/MX and LX:

- Wireless remote control
- Wireless keypad
- Wireless key switch
- Secvest Key 2WAY
- Wireless outdoor and indoor sounder

More information on this on page 137.

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Easy arming

In addition to the control units (PIN code or proximity chip key), a keyed switch (p. 143) is available for easy (dis)arming. In combination with the Terxon 2WAY module, the following control units can be integrated:

- Wireless keypad
- Wireless key switch
- Wireless remote control
- Secvest Key 2WAY

	Terxon SX/MX Add-on LCD keypad	Terxon 2WAY Module
Article number	**AZ4110**	**AZ4290**
Product features	• For operating and programming the alarm control panel • Suitable for indoor and protected outdoor areas (IP54) • Operate the alarm panel with PIN code or proximity chip • Integrated Proximity chip reader • Integrated buzzer • Tamper protected	• Integration of bidirectional Secvest 2WAY wireless devices: Keypad, outside sounder, indoor sounder, outdoor control, Secvest Key, wireless key switch • Compatible with all Terxon alarm control panels, wired • See page 137 for details
Scope of delivery	LCD keypad	Terxon 2WAY module, manual
Article number	**AZ4110**	**AZ4290**

	Relay board	Proximity Chip Key
Article number	**AZ4140**	**AZ5501**
Product features	• Extends the alarm control panel by 8 high-powered relay switching outputs • Increases the switching capacity of the 8 additional transistor output to 8 x 1 A • Compatible with Terxon SX, MX, LX	• Simply hold in front of alarm control panel or keypad • Completely touch free • No more "forgotten PIN code" • Several chip keys integrable (SX/MX: max. 16; LX: max. 99) • Dimensions (W x H x D): 30 x 1.5 x 45 mm
Scope of delivery	Relay board	Proximity Chip Key
Article number	**AZ4140**	**AZ5501**

Expansions for Terxon MX

Terxon MX 8-zone wired extension

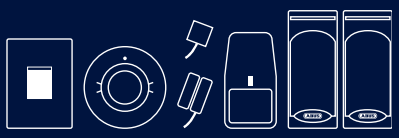
Article number AZ4130

Product features

- Extends Terxon MX by 8 wired zones
- Allows individual identification of detectors (e.g. in sensitive areas)
- Allows clustering into logical areas
- Minimizes wiring effort
- Simple connection with 4-wire bus

Scope of delivery 8-zone wired extension

Article number AZ4130



Integration of wired detectors

The wired extension allows you to add 8 wired alarm zones to Terxon MX. The wired extension is connected to the motherboard using 4-wire bus. Up to 3 expansion modules (wireless or wired) can be added. Terxon MX is thus expandable to 32 zones. The additional alarm zones are freely programmable and protected against tampering. Wiring can be NC or DEOL, as long as it is the same for all zones. Jumpers on the motherboard are used to set the addresses for the expansion module zones.

Integrable wired detectors and components are listed on page 139-144.

Terxon MX 8-zone wireless extension

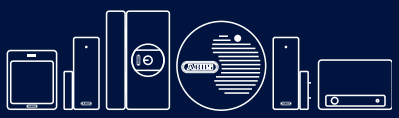
Article number AZ4120

Product features

- Wireless extension for Terxon MX
- Possibility to add 8 wireless detectors and 8 remote controls
- Simple connection with 4-wire bus
- Duplex antenna technology

Scope of delivery 8-zone wireless extension

Article number AZ4120



Integration of wireless detectors

The wireless extension turns the Terxon MX into a hybrid system. The additional alarm zones are freely programmable and protected against tampering. All detectors of Secvest 2WAY are compatible with the wireless extension. The wireless extension and the detectors communicate on the reserved wireless frequency of 868.6625 MHz. State-of-the-art FM wireless technology with millions of available codes as well as duplex antenna technology guarantee reliable signal transmission. Jumpers on the motherboard are used to set the addresses for the wireless expansion module zones.
Integrable wireless detectors are listed on page 104-107.

Terxon LX hybrid alarm control panel

Terxon LX: Size that pays off.

- For all-over protection of commercial properties and larger building complexes
- Convenient operation via LCD keypad
- Optionally extensible with plug-in relay module
- Up to 128 key pads are connectable
- Extensible to 264 alarm zones

The Terxon LX alarm panel panel is the burglary alarm center for commercial properties and larger building complexes. In addition to wired detectors you can integrate all Secvest wireless devices and thereby turn it into a hybrid system.

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The extensive programming possibilities of Terxon LX meet the demands of larger properties and companies. Up to 99 users at 12 different authorization levels can be set up. Downloadable software and USB/RS 232 connections allow for convenient and quick configuration via the PC. The integrated analog dialer can be used to inform emergency control center in case of an alarm.

Terxon LX hybrid alarm control panel

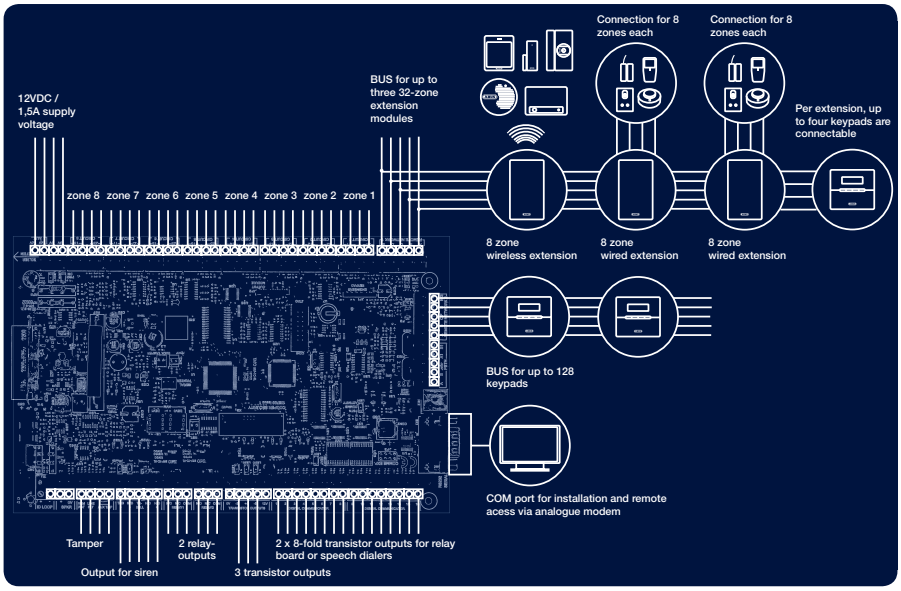
	Terxon LX alarm control panel
Article number	**AZ4200**
Alarm zones, partitions	8 zones + 8 tamper zone; 8 equal partitions
Zone termination	For each zone you can choose NC or DEOL separately
Users and Operation	Up to 99 users and/or 99 chip keys; programming directly via key pad, software, or modem; remote adjustments possible
Switching outputs	23: sounder / flash 3 transistor 2 relay, 16 communication (max. 93)
Alarm	Buzzer in keypad, integrated analog dialer; protocols: Fast Format, Contact ID, SIA
Extensibility	Yes (can be extended by up to 256 wireless or 264 wired zones)
Display	Alphanumeric LCD display, 2 lines
Event memory	2000 events with date and time of day
Tampering	9 tampering lines, one for sounder, and one per each zone; keypad and control panel case are protected against tampering
Connections	230 V screw terminal, speaker, zone screw terminal, transistor outputs, 13.8 V screw terminal, RS-232, PSTN, USB
Housing material	Alarm Control Panel: Metal, keypad: ABS
Languages	3 languages selectable
Power consumption	Primary: max. 200 mA; Secondary: max. 1.0 A
Battery type	12 V DC, 7.0 Ah (BT2070) or 17 Ah lead acid battery (BT2180)
Power supply	Primary: 230 V AC +/- 10 %; Secondary: 13.8 V DC +/- 10 %, voltage monitoring
Dimensions, weight	384 x 312 x 90 mm, 5 kg
Scope of delivery	Alarm control panel, keypad, resistors

Optional accessories:

USB cable FU5009

- For convenient programming of the entire system and all parameters
- Free software for download under www.abus-sc.com
- Simple connection to Laptop/PC via USB

Type	Terxon LX	USB cable	Battery 7 Ah	Battery 17 Ah
Article number	**AZ4200**	**FU5009**	**BT2070**	**BT2180**


12VDC / 1,5A supply voltage
zone 8 zone 7 zone 6 zone 5 zone 4 zone 3 zone 2 zone 1
BUS for up to three 32-zone extension modules
Connection for 8 zones each
Connection for 8 zones each
Per extension, up to four keypads are connectable
8 zone wireless extension
8 zone wired extension
8 zone wired extension
BUS for up to 128 keypads
COM port for installation and remote acess via analogue modem
Tamper
Output for siren
2 relay-outputs
3 transistor outputs
2 x 8-fold transistor outputs for relay board or speech dialers

A broad range of possibilities

The Terxon LX motherboard provides 8 freely programmable wired zones for 8 wired detectors. Each zone has its own tamper zone. Bus wiring allows connection of 128 keypads and 32 extension modules for 8 wireless or 8 wired zones each. Thus, Terxon LX can be extended to a maximum of 264 zones. The system can also be divided into 8 independent partitions. 23 switching outputs on the motherboard can be extended to a total of 93 outputs. If desired you can automatically switch the external devices that you have attached to these outputs (according to a specified schedule).

Terxon LX extensions

Use the broad range of possibilities to extend the Terxon LX. With up to 264 zones, Terxon LX has the correct answer for every security question. Wired or wireless - with Terxon LX you always remain flexible, regardless of the structural conditions on site.

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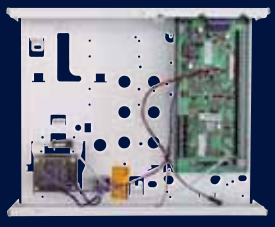


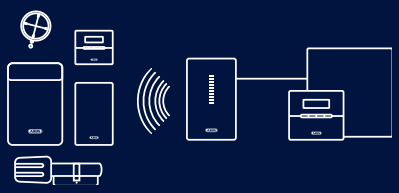
This module allows you to extend Terxon LX by 8 wired alarm zones. It is connected to the motherboard via bus wiring. With the integrated 1.5 A power supply, you can provide power to additional components of the alarm system or increase the reach of the power supply.

	Terxon LX 8-zone wired extension	Terxon LX 8-zone wireless extension
Article number	**AZ4230**	**AZ4220**
Product features	• Extends the Terxon LX by 8 freely programmable wired zones that are protected against tampering • Simple connection with 5-wire bus	• Wireless extension for Terxon LX • Possibility for attaching 8 wireless detectors and 8 wireless remote controls • Simple connection with 5-wire bus • Duplex antenna technology
Scope of delivery	8-zone wired extension	8-zone wireless extension
Article number	**AZ4230**	**AZ4220**

	Terxon LX LCD Keypad	Terxon LX 8-zone wired extension with PSU
Article number	**AZ4210**	**AZ4250**
Product features	• For operating and programming the LX alarm control panel • Operate via PIN code or proximity chip key • 1 transistor switch output • Also suitable for protected outdoor area	• Wired extension for Terxon LX • Simple connection with 5-wire bus • Integrated power supply, 1.5 A
Scope of delivery	LCD keypad	8-zone wired extension with PSU
Article number	**AZ4210**	**AZ4250**

Terxon 2WAY Module for Terxon SX, MX, LX

	Terxon 2WAY Module
Article number	**AZ4290**
Product features	• Integrating the bidirectional Secvest 2WAY wireless devices: Keypad, outdoor sounder, indoor sounder, remote control, wireless key switch, Secvest Key 2WAY • Compatible with all wired alarm control panels • With duplex antenna technology • Reserved 868 MHz security frequency, encryption • Dimensions (HxWxD): 136 x 223 x 42 mm
Scope of delivery	Terxon 2WAY Module, user guide
Article number	**AZ4290**



Terxon 2WAY Module: Integration of bidirectional wireless devices

The Terxon 2WAY wireless module is a bidirectional wireless extension module for wired alarm systems. Commands from the bidirectional Secvest 2WAY wireless components are transmitted to the Terxon alarm control panel via this module. Unlike the wireless expansion module, the Terxon 2WAY module not only passes commands on to the alarm control panel – the module can also receive the status messages (armed/disarmed, delay time running, etc.) from the alarm center. This status information is then wirelessly transmitted to all bidirectional wireless components of Secvest 2WAY. The following components of Secvest 2WAY can be integrated via the Terxon 2WAY module: Wireless remote control, wireless keypad wireless key switch, Secvest Key, wireless outdoor and indoor sounder.

	Secvest 2WAY wireless remote control	Secvest 2WAY wireless outdoor sounder	Secvest 2WAY wireless indoor sounder	Secvest 2WAY wireless keypad	Secvest Key 2WAY
Article number	**FU8100**	**FU8220**	**FU8230**	**FU8110**	**FU5897/8, FU5900-5981, FU5983-5990**
Product features	• For elegant and convenient operation of the system • Bidirectional: Active status feedback with color LEDs	• Loud sounder-flash combination • Compact, weather-proof housing • Wireless outdoor sounder with a range of up to 100 m	• Acoustic support for Secvest and wireless outdoor sounder • DC power connection or battery-operated	• Also suitable for outdoor applications • Switching of outputs possible Integrated Piezo for button tones	• First wireless arming cylinder in the world • Convenient arming and disarming for the Secvest 2WAY
Scope of delivery	Remote control, Lanyard, batteries	Sounders, batteries, mounting hardware	Sounders, mono cells, mounting hardware	Keypad, batteries	Secvest Key, batteries, 3 keys
Article number	**FU8100**	**FU8220**	**FU8230**	**FU8110**	**FU5897-FU5990**

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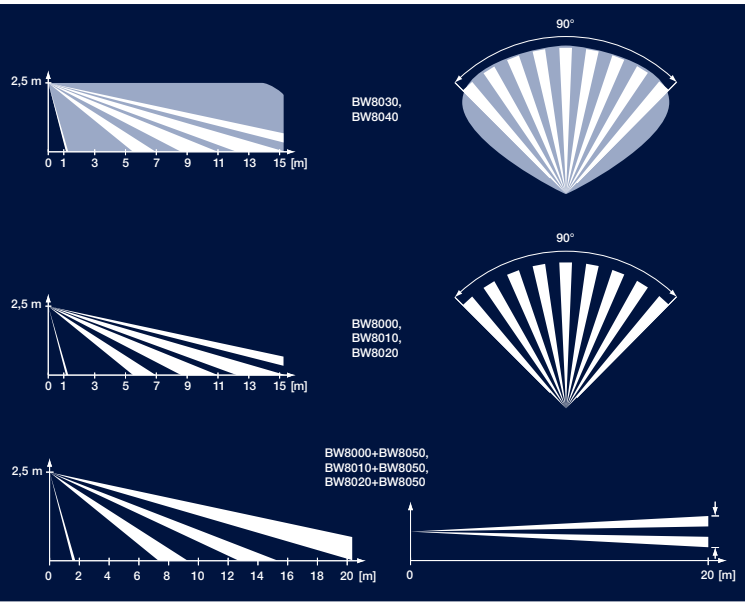
ABUS Motion Detectors

Detects every relevant movement

- Real alarm selection (RAS)
- Alarm memory with first alarm detection and selectable controller (+12 V/0 V; only for VdS detectors)
- Walk test function, with remote activation depending on the version
- Automatic sensitivity adjustments
- High tolerance for HF interference

The ABUS motion detectors have been specially developed for securing private, commercial, and industrial properties. A series of seven detectors with different detection characteristics meet a wide variety of security requirements in even the most difficult conditions. All of them in consistent, elegant design.



On the left you see the coverage areas and range details of the different detectors. While PIR motion detectors sweep the area in successive strips, the microwave transmitter sends signals into the entire area. Installed 2.5 m above the floor, the detectors cover an area of up to 15 x 15 m. With the long range lens, the coverage can be extended to 20 m.

ABUS Motion Detectors

	Motion detectors
	Article number BW8000 - BW8080
Sensitivity	Adjustable
Impulse selector switch	Yes
White light filter	Yes
Status display	Yes
Tamper monitoring	Tamper switch: NC, 100 mA, 24 V DC
Connections	Alarm contact: NC, 100 mA, 24 V DC
Power supply	9 - 12 V
Dimensions, weight	60 x 106 x 47 mm (W x H x D), 80 g

Type of detection	PIR	PIR	2 x PIR	PIR / MW	2 x PIR / MW	PIR	PIR / MW
Detection range	15 x 15 m	15 x 15 m	15 x 15 m	15 x 15 m	15 x 15 m	12 x 12 m	12 x 12 m
Alarm memory	no	yes	yes	yes	yes	no	yes
Pet-proof	no	no	no	no	no	yes	yes
Power consumption mA	9	10	11	13	13	9	13
Creep zone	yes	yes	yes	yes	yes	no	no
Certifications		VdS, VSÖ	VdS, VSÖ	VdS, VSÖ	VdS, VSÖ		
Type	Eco	Profi VdS	Duplex VdS	Duplex MW VdS	Triplex MW VdS	Pet	Pet MW
Article number	**BW8000**	**BW8010**	**BW8020**	**BW8030**	**BW8040**	**BW8070**	**BW8080**

	360° motion detector	360° VdS motion detector
Article number	**BW8085**	**BW8090**
Product features	• PIR motion detector for indoor areas • Detection range: 360°, diameter: 13 m at height of 4 m • Detects radiated body temperature • Walk test function • White light filter, impulse counter	• PIR motion detector for indoor areas • Detection range: 360°, diameter: 13 m at height of 4 m • Detects radiated body temperature • Walk test function • White light filter, impulse counter • VdS class B and VSÖ certified
Scope of delivery	360° motion detector	360° motion detector
Article number	**BW8085**	**BW8090**

Optional accessories:

VdS long range lens

- Increases the detection range
- Especially suited for long corridors
- Detection range: 20 m at width of 3 m
- VdS B certified (in combination with VdS detectors)

Article number: BW8050

Wall/ceiling mount kit

- Flexible installation possibilities: Wall, ceiling, corner mount
- Compatible with all ABUS motion detectors (except 360° detectors)

Article number: BW8060

Glass Break Detectors

Reliable window protection

- Possibility of protecting larger window surfaces
- Immediate alarm before the intruder is inside
- Four detector types cover all surveillance situations

Glass surfaces offer large areas for attack and thus vulnerable points in the external shell of a building. Therefore, glass break detectors are recommended especially for larger window surfaces.

Acoustic glass break detector

Acoustic detectors are mounted opposite of the glass surface. They analyze acoustic frequencies, noises, and pressure waves that are typical for breaking glass. This allows a reliable differentiation from common "clinking sounds".

Passive Glass Break Detector

Passive glass break detectors are attached directly on the window surface to be protected. They detect ultrasound signals from the window glass and evaluate them for frequency and amplitude. Vibrations occurring by breaking glass are immediately detected and an alarm is triggered.

Vibration detector

Vibration detectors react to impact noises and vibrations. Thus, these detectors can also detect vibrations that occur when a window or door is pried open or a wall is broken through. Seismic detector – the patented frequency analysis prevents false alarms.

Glass Break Detectors

	Acoustic glass break detector
Article number	**GB2000**

Product features

- Reliable (acoustic) detection of breaking glass
- One detector protects windows, window fronts, and winter gardens
- Distinguishes between bursting window glass and drinking glasses
- Status display
- Tamper monitoring
- Detection range: Up to 9 meters, depending on glass type and thickness
- Mounting location: Opposite of glass surfaces to be monitored

Scope of delivery

Acoustic glass break detector

Article number	**GB2000**

Optional accessories:

Glass break detector tester

- Tests acoustic glass break detectors
- There are various test sequences for simulating the various types of glass:
- Normal glass, laminated glass, tempered glass, wire-reinforced glass
- Battery life: ca. 2800 applications

Article number: GB2100

	Potential-free glass break detector		12 V glass break detector		Vibration detector	
Article number	**FU7300W, FU7300B**		**GB3010W, GB3010B**		**EM2000W, EM2000B**	

Product features

- No power supply required
- Ideal for use with wireless opening detectors FU8320-FU8321 and FU9025 as well as FTS 96 E
- Detection range: 4 m², radius 2 m
- Sensor type: Piezo sensor

- Glass break detector that sticks to the pane
- LED display with power reset
- Detection range: 4 m², radius 2 m
- Sensor type: Piezo sensor

- Innovative detector for impact sound
- Detects any type of penetration or forced opening
- Detection range: Brick 2.5 m, steel 3 m, wood 4 m, concrete 1.5 m, glass 3.5 m
- Adjustable sensitivity
- Tamper monitoring

Scope of delivery

Potential-free glass break detector including 2 meter cable

12 V glass break detector including 4 m cable (LIYY 6 x 0.14 mm²)

Seismic detector

Color	**white**	**brown**	**white**	**brown**	**white**	**brown**
Article number	**FU7300W**	**FU7300B**	**GB3010W**	**GB3010B**	**EM2000W**	**EM2000B**

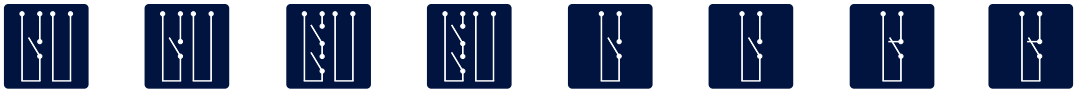
Opening detectors

Opening detectors

Article number MK1010W/B, MK1310W/B, FU7350W/B, MK2000W/B

- For reliably securing the outside of the building
- For securing doors and windows
- For inside or surface mounting
- Switching capacity at 24 VDC: 0.2 A, 5 Watt
- Dimensions (HxWxD): 11 x 12 x 48 mm

Circuit diagram (during alarm)



Switch contact	NC	NC	NC	NC	NC	NC	NO	NO
Cables	4 m, 4-conductor	4 m, 4-conductor	4 m, 4-conductor	4 m, 4-conductor	2 m, 2-conductor	2 m, 2-conductor	5 m, 2-conductor	5 m, 2-conductor
Stray field protection	no	no	yes	yes	no	no	no	no
VdS number	G105519	G105519	G191100	G191100				
Colour	white	brown	white	brown	white	brown	white	brown
Article number	**MK1010W**	**MK1010B**	**MK1310W**	**MK1310B**	**FU7350W**	**FU7350B**	**MK2000W**	**MK2000B**

Heavy duty opening detectors | Opening detector for steel doors | Bar switching contact

Article number MK4000, MK4100 | MK4200 | RS1000

Circuit diagram (during alarm)

Product features

- For reliably securing the outside of the building
- For use on garage doors etc.
- High durability due to aluminum housing, protection class IP65
- tamper monitoring
- MK4000 VdS B, MK4100 VdS C

- Installation on any material including steel
- Simple installation
- Robust aluminum housing, protection class IP65
- Detection method: Magnetic field measurement

- For detecting opening of doors
- Stainless steel (Nirosta) housing, spring and lever arm
- Micro switch (toggle) with gold contact

Scope of delivery

Door opening detector including 2 m of cable, 4-conductor

Opening detector including 1.2 m of cable, 4-conductor

Bar switching contact, cover, mounting hardware

Stray field protection	no	yes	no	no
Article number	**MK4000**	**MK4100**	**MK4200**	**RS1000**

Fire detectors and panic alarm button

	12 V optical smoke detector	12 V thermodifferential detector
Article number	**RM1000**	**RM1100**
Product features	• Detects visible smoke particles • Selfadjusting • Potential-free alarm relay • Status display • Connections: Screw terminal NO or NC, 1A @ 30 V DC • Tested according to EN54-7	• Detects changes in temperature • Can be used in humid areas • Sensor type: Thermal element: Thermodifferential (3° C/minute) maximum temperature (60° C) • Tested according to EN54-7
Scope of delivery	Optical Smoke Detector	Thermodifferential detector
Article number	**RM1000**	**RM1100**

Optional accessories:

Test spray for optical smoke detectors

- Gas for testing smoke detectors
- Simple functional test
- For approx. 100 times testing
- Contents: 125 ml
- Important: The spray distance must be at least 30 cm

Article number: RM0010

	Surface / flush mount key-switch	Panic alarm button
Article number	**SE1000, SE1100, ME1050**	**AZ6500**
Product features	• Easy activation / deactivation by a turn of the key • High level of security due to core extraction protection and tamper portection • Two integrated LEDs for status display • Protection class IP55	• Flush or surface mounting • Inconspicuous and unobtrusive alarm • For triggering silent alarms • Tamper monitored • Connections: 1 alarm contact NO/NC; 1 tampering contact NO/NC • Protection class: IP32 • Dimensions (W x H x D): 85 x 85 x 47 mm
Scope of delivery	Key switch	Panic alarm button
Acessories	Half cylinder ABUS C83 ME1050	Paper inserts (5 pieces) FU8301

Type	**surface**	**flush mount**	**half cylinder**		
Article number	**SE1000**	**SE1100**	**ME1050**	**AZ6500**	**FU8301**

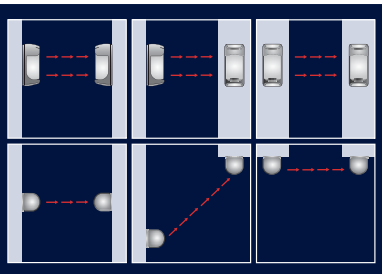
Inconspicuous alarm

With the panic button, you can reliably trigger a panic alarm when you need help. You can integrate the panic button in an intrusion detection system or use it directly in combination with a dialer or an alarm sounder (see page 147-149).

The button is tamper protected. For panic and tampering alarm, you can use an NO or an NC contact. The panic alarm button is VSÖ and VdS C certified.
Ideal for retailers looking to protect their cash register or service counter or for manually triggering an alarm in commercial properties. The panic button also has a place in private homes, because it allows you to trigger an alarm inconspicuously.

Photo beams

Use these photo beams in combination with our alarm systems for monitoring hallways, doors, or parking lots. Clever applications such as controlling video monitoring systems or lighting as well as monitoring tasks in process automation can easily be implemented. One advantage compared to PIR motion detectors: Infrared photo beams only detect movement passing through a precisely defined line, not movements inside an area. Thus, persons are only detected if they cross the infrared beam.



Transmitter and receiver of the dual light barrier can be adjusted horizontally and vertically. Thus, the photo beams can be mounted nearly everywhere, whether on a wall, a pole, or directly on the garden fence. Due to the integrated laser, the two components can be aligned successfully even at maximal distance.

	Infrared photo beam	Dual infrared photo beam
Article number	**LS1020**	**LS2030, LS2060, LS2080, LS2120**
Product features	• Use for interior protection, passive trap systems, protection of exterior shell, perimeter protection • Ideal for smaller properties	• Use for interior protection, passive trap systems, protection of exterior shell, perimeter protection • Large surveillance coverage • Pulsed dual light beams • Laser for simple adjustments
Scope of delivery	Infrared transmitter (Tx) with faceplate, infrared receiver (Rx) with faceplate, 4 housing screws	Infrared transmitter (Tx), Infrared receiver (Rx), 2 mounting plates, complete installation material
Detection method	Infrared beam detection	Infrared beam detection
Sensor type	Infrared module	Infrared module
Status display	Yes	Yes
Tamper protection	Yes	Yes
Power supply	12-24 V AC/DC	10 V - 30 V DC (without polarity)
Power consumption	Transmitter: 20 mA / Receiver: 25 mA	Transmitter and receiver: 65 mA
Housing material	ABS	ABS
Protection class	IP66	IP55
Mounting location	Indoors and outdoors	Indoors and outdoors
Operating temperature	-20° C to +60° C	-25° C to +55° C
Dimensions (W x H x D)	46 x 95 x 34 mm	173 x 74 x 72 mm
Connections	Push terminal: Alarm output: (Rx) relay (NO/NC) 1A, 120 V AC; tamper output: (Tx/Rx), NC contact 1A, 120 V AC	Screw terminal: Transmitter (Tx): Power supply 10-30 V DC, NC tamper output; receiver (Rx): Power supply 10-30 V DC, COM alarm contact, NC alarm contact, NO alarm contact, NC tamper output
Range	**20 m**	**30 m** **60 m** **80 m** **120 m**
Article number	**LS1020**	**LS2030** **LS2060** **LS2080** **LS2120**

Accessories for wired alarm systems

	Wall mount junction box	Flush mount junction box	Wall mount screw terminal
Article number	VT4000W/B, VT4100W/B	VT4200W	VT5000W/B, VT5100W/B
Product features	• Simple wall mountl installation • Corrosion-proof, tin-plated solder contacts • Shock-resistant plastic • Tamper proof • VdS C protected	• Invisible installation into the wall • Corrosion-proof, tin-plated solder contacts • Plastic cover with clip • Tamper-proofed through cover contact • VdS C certified	• Simple wall-mount installation • Quick wiring due to screw terminals • Shock-resistant plastic • High-quality construction • Protected against tampering
Scope of delivery	Wall mount junction box	Flush mount junction box	Wall mount screw terminal

Connections	16	16	32	32	19	5	5	8	8
Colour	white	brown	white	brown	white	white	brown	white	brown
Article number	VT4000W	VT4000B	VT4100W	VT4100B	VT4200W	VT5000W	VT5000B	VT5100W	VT5100B

	Alarm cable	VdS batteries 12 V
Article number	AZ6360/1/2, AZ6372	BT2012, BT2020, BT2070, BT2120, BT2180, BT2240, BT2400, BT2650
Product features	• High-quality material • Easy to strip • Corrosion-proof, tin-plated, flexible wires • Shielded conductors • Wire thickness ca. 0.6 mm	• Maintenance free • Leak proof • High-quality lead acid battery • Up to 1,000 charging/discharging cycles • VdS certified
Scope of delivery	Alarm cable on roll	VdS battery

Conductors	8	8	8	4
Length	50 m	100 m	250 m	250 m
Article number	AZ6360	AZ6361	AZ6362	AZ6372

Nominal capacity	1.2 Ah	2.1 Ah	7 Ah	12 Ah	17 Ah	24 Ah	38 Ah	65 Ah
Nominal voltage	12 Volt	12 Volt	12 Volt	12 Volt	12 Volt	12 Volt	12 Volt	12 Volt
Dimensions (W x H x D) in mm	97 x 43 x 52	177 x 34 x 60	151 x 65 x 94	151 x 98 x 95	182 x 77 x 168	177 x 167 x 125	197 x 165 x 170	348 x 167 x 179
Weight in g	600	1000	2540	3850	5700	8200	13800	22200
Article number	BT2012	BT2020	BT2070	BT2120	BT2180	BT2240	BT2400	BT2650

Sirens, sounders

Upside-down installation also possible

Loud and powerful:
Compact siren

- Loud and effective
- Energy-saving LED strobe
- Separate control for sounder and strobe
- Simple settings via jumpers and DIP switch
- VSÖ and Incert certified
- Tamper protected
- Upside-down installation also possible

This professional compact alarm siren is an important piece in a completely functioning in an alarm chain. In case of an alarm, an extremely loud tone (110 dB of acoustic pressure) is generated. The alarm duration is programmable. In addition to the acoustic alarm, there is a visual alarm: a bright, flashing light that is visible from afar. This helps security services to quickly identify the location of the event. It is possible to control sounder and strobe separately. Depending on the model, the strobes are available in red, orange and blue.

Alarms also make sense within a building: In case of a fire alarm, for example, it is important to alert all occupants immediately and effectively. In case of an intrusion, the loud siren noise makes it more difficult for the intruder. By the way, indoor sounders are allowed to run indefinitely, while outside sounders are limited in several countries (for example Germany and Austria allow only a maximum of three minutes).

Sirens, sounders

	Compact siren			Compact siren in steel housing	Compact alarm system	
Article number	**SG1800, SG1805, SG1810**			**FU2938**	**SG1650, SG1660**	
Product features	• Robust outdoor sounder made from steel and plastic • Loud sounder with acoustic pressure of 110 dB(A) @ 1 m • Adjustable alarm duration and signal • Flash frequency: 1Hz • Emergency power supply: Optional: Battery 12 V, 2.1 Ah (BT2020) • protection class: IP43 • Dimensions (W x H x D): 220 x 300 x 91 mm			• Robust and weather-proo outdoor siren • White coated steel housing • Acoustic pressure: 116 dB (A) @ 1m • Xenon-flash • Flash frequency: 1 Hz, 0,125 Hz (after 1h) • Tamper proofт • Emergency power supply: Optional battery 12 V/1.2 Ah (BT2012) • Protection class IP34	• Robust sounder with aluminum housing • Tamper alarm in case of tear-off and opening • Sounder and strobe controlled separately • Acoustic pressure: 110 dB @ 1 m • Flashing frequency: 1.17 Hz, Xenon (only SG1650) • Protection class: IP34	
Scope of delivery	Compact siren			Compact siren	Compact alarm system	
Light color	**red**	**orange**	**blue**	**red**	**red**	**-**
Article number	**SG1800**	**SG1805**	**SG1810**	**FU2938**	**SG1650**	**SG1660**

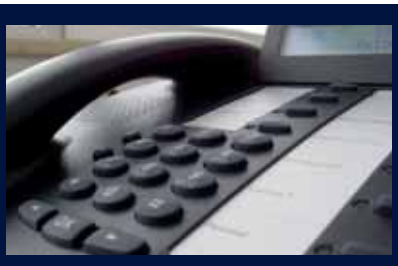
	Indoor sounder	Combination alarm device			Xenon strobe			Siren and flash dummy
Article number	**SG1250**	**SG1681, SG1682, SG1683**			**SG1670, SG1675, SG1680**			**SG3210**
Product features	• LED for armed/disarmed status display • Simple, inconspicuous design • Acoustic pressure: 90 dBA (Low), 110 dBA (High) • Protection class: IP54	• For use indoors and in protected outdoor areas • Strobe and sounder controlled separately • Acoustic pressure: 100 dBA @ 1 m • Flash frequency: 2 Hz • Protection class: IP34			• Includes adapters for surface mounting • High flashing performance • Also for installation on SG1660 • Flash frequency: 1.17 Hz • Protection class: IP54			• Indistinguishable from functioning alarm devices • Allows for installation of sounders and strobes with different electronics • Deters potential intruders
Scope of delivery	Indoor sounder	Combination alarm device			Xenon strobe			Fake sounder + strobe
Light color		**red**	**yellow**	**blue**	**red**	**yellow**	**blue**	**red (not active)**
Article number	**SG1250**	**SG1681**	**SG1682**	**SG1683**	**SG1670**	**SG1675**	**SG1680**	**SG3210**

Dialing Devices

Alarm with informational value

- Silent alarm combined with an alarm control panel
- Event-dependent voice messages and predefined identification text
- Control and communication functions also possible without alarm control panel

Perfect your silent alarm with the versatile dialers from ABUS Security-Center, that add valuable information to the triggered alarm. Voice messages can be configured and saved individually for each specific alarm event. This way, the informed parties immediately know what has happened and can prepare accordingly. Even when no analog telephone line is available, a silent alarm is possible with the GSM interface and the GSM dialer via mobile wireless. Dialers also allow phone calls and/or communication with monitoring stations for various types of alarm, such as technical damages or specific measurement values.



Voice messages

The PSTN dialer sends previously recorded voice messages to four saved telephone numbers via an analog telephone line. Four different messages can be stored – one per event (e.g. intrusion, fire, panic, fault).

Always up to date

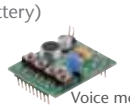
Unlimited flexibility: With the GSM dialer, voice messages and SMS messages are sent to max. ten telephone numbers. This can be done via landline or mobile wireless. You can also remotely access the dialer by calling in from mobile phones.

Monitoring station

The GSM interface simulates a landline connection. When the regular landline connection fails, the digital monitoring center protocols of the alarm panel are transmitted via the GSM network. You can also transmit voice messages or SMS. Remote access is also possible.

Dialing Devices

	PSTN dialer	GSM dialer	GSM interface
Article number	**AZ6301**	**AZ6302**	**AZ6450**
Product features	• Compliant with regulations throughout Europe • Alarm repetition • Possible remote cancellation • Can also serve as standalone communications module	• Transmission of messages via PSTN and GSM • Both voice and text messages possible • Can also serve as standalone communications module • Remote access via telephone	• Transmits alarm and system messages via SMS or voice (only in combination with AZ6451) • Can also serve as standalone communications module • Output control via SMS
Scope of delivery	Dialer, mounting hardware, RJ11 adapter, phone cable with RJ11 plug and TAE plug	Dialer, mounting hardware, RJ11 adapter, phone cable with RJ11 plug and TAE plug, GSM antenna	GSM interface, programming cable, configuration software
Optional accessories	12 V power supply (FU3822)	12 V power supply (FU3822)	12 V / 1.2 Ah backup battery (BT2012), voice module (AZ6451) for the transmission of max. four voice texts
Display	Illuminated segment display	Illuminated segment display	-
Inputs	4 positive/negative controllable inputs (5 - 28 V DC)	8 positive/negative controllable inputs (5 - 24 VDC)	NC/NO alarm inputs (positive/negative)
Outputs	1 transistor output (OP), negative switching, max. current 100 mA	4 transistor outputs (OP), negative switching, max. current 100 mA, 12 V DC per output	1 relay output (3 A), 3 transistor outputs (100 mA each)
Dialing procedure	Tone dialing (DTMF); pulse dialing	MVF (multi-frequency, DTMF, tone dialing)	Tone dialing (DTMF; dual-tone multi-frequency)
Storable telephone numbers	4	10	8
Transmission path	PSTN	PSTN, GSM	PSTN, GSM
Voice messages	4	16	4
Recording time	max. 40 seconds (sum)	30 seconds or 40 characters per message	10 seconds per voice message
Programming	Menu	Menu	PC
Remote access	Yes	Yes	Yes
Tamper monitoring	Yes	Yes	Yes
Connections	Screw terminal for PSTN and power supply	Screw terminal for PSTN and power supply	Screw terminal for PSTN
Power supply	11.5 to 14 V DC	10.5 to 28 V DC	Power supply (internal) 230 V, 110 V AC, 13.8 V DC (1.5 A)
Power consumption	Standby: 35 mA, 12 V DC; during operation: 70 mA, 12 V DC	Standby: 50 mA, 12 V DC; during operation: 170 mA, 12 V DC	Standby: 70 mA; during operation: 300 mA
Housing material	ABS	ABS	Metal, protection class IP43
Operating temperature	-10° C to +55° C	-10° C to +55° C	0° C to +55° C
Dimensions (W x H x D):	150 x 115 x 30 mm	150 x 115 x 30 mm	185 x 275 x 65 mm; with antenna: 185 x 335 x 65 mm
Weight	360 g	360 g	1.9 kg (without battery)



Voice module

Article number	AZ6301	AZ6302	AZ6450	AZ6451

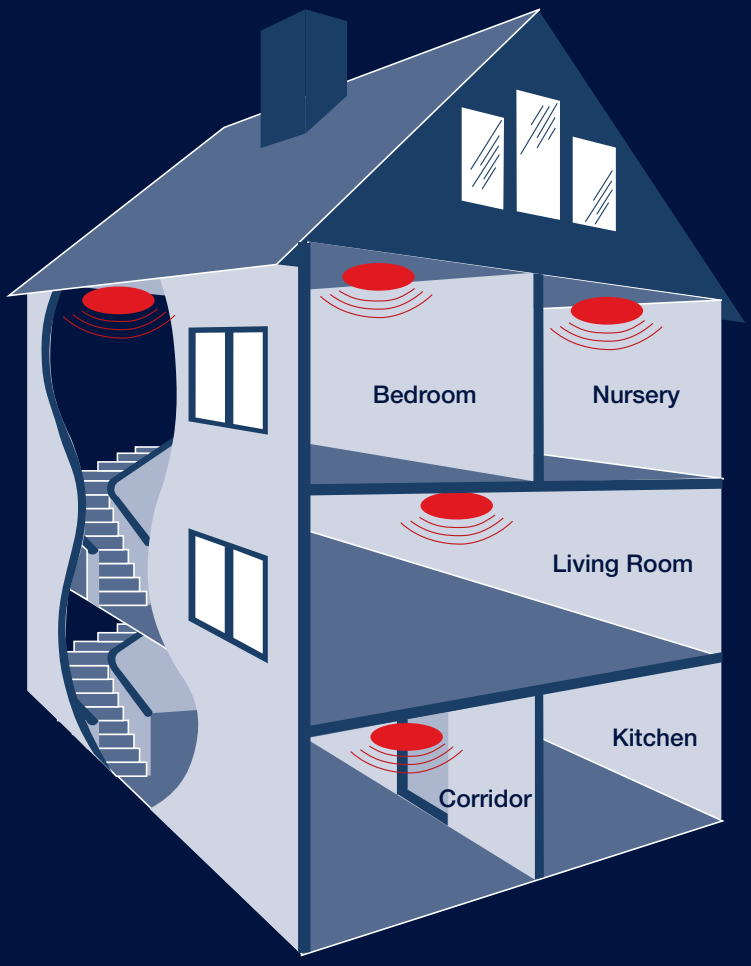
terxon

HOME ALARM & HOME COMFORT

Comfort and security. Guaranteed by the standalone ABUS Security-Center smoke and flood detectors and the HomeTec door opening system.

WR
WESTFÄLISCHE
RUNDSCHA
Sonne, Spaß und schöne Spiele

Smoke Detectors



All for your safety in case of fire!

- If smoke is detected by any device, all devices sound an alarm
- Effective, loud alarming throughout the whole building
- Range up to 100 meters
- Battery lifetime up to 2 years
- Detector test
- Battery status monitoring
- VdS approved

The optical ABUS wireless smoke detector reacts to visible smoke particles. If smoke enters the measuring chamber of a detector, all wireless smoke detectors with equal coding in wireless range of the triggering detector will also be activated and sound an alarm. Cascading of the detector is not possible.The detector has a coverage of up to 40 m². We recommend one smoke detector per hall, staircase, living room, and bed room. The integrated, powerful Piezo sounder with at least 85 dB per device ensures effective alarm.

Sleeping victims: 95 % of all fire casualties do not die from actual flame, but due to toxic fumes. Smoke detectors alert the inhabitants about the deadly threat. Since they have saved thousands of lives, the installation of smoke detectors is becoming a requirement for new construction as well as renovation in more and more countries and regions.

Smoke Detectors

	ABUS Wireless Smoke Detector
Article number	**RM0011**
Detection method	Optical, via photo diode
Status display	Yes
Wireless technology	Frequency: 434.33 MHz, transmission power: max. 10 mW
Transmission range	Ca. 100 meters
Power supply	9 V (unobstructed)
Battery type	9 V lithium battery
Battery life	Up to 2 years
Housing material	ABS
Mounting location	Ceiling
Operating temperature	from 4 to 45° C
Dimensions (H x D), weight	106 x 33 mm, 160 g
Certifications	VdS
Scope of delivery	Wireless smoke detector, 9 V lithium battery FU2993

- Optical smoke detector with integrated piezo sounder
- Detectors communicate with each other
- Coding adjustable

Article number	**RM0011**	**FU2993 (9 V lithium battery)**

	ABUS Flood Detector	ABUS Smoke Detector
Article number	**HSWM10000**	**HSRM10000, HSRM10010, HSRM11000, HSRM11010**
Product features	• Easy installation: usage: on the floor, in bathroom and kitchen or basements • Immediate alarm at contact with water • Two contacts – directly at the detector or via cable (approx. 150 cm) • High volume: 85 dB(A) @ 1 m • Easy integration into intrusion detection systems	• Detection method: Photoelectric reflection • Sounder: Piezo with 85 dB @ 3 m • Status LED • Test button • Low battery indication • 9 V battery included (alkaline: Battery lifetime up to 3 years; lithium up to 10 years) • VdS approved
Scope of delivery	Flood detector, 9 V battery	Smoke detector, 9 V battery (lithium FU2993 or alkaline)

Battery type	**9 V block battery**	**Alkaline**	**Alkaline**	**Lithium**	**Lithium**
Amount	**1**	**1**	**set of 3**	**1**	**set of 3**
Article number	**HSWM10000**	**HSRM10000**	**HSRM10010**	**HSRM11000**	**HSRM11010**

Optional accessories:

Test spray for optical smoke detectors

- Gas for testing smoke detectors
- Simple functional test
- Enough for testing approx. 100 times
- Contents: 125 ml
- Important: The spray distance must be at least 30 cm

Article number: RM0010

HomeTec

The wireless comfort door lock is simply pushed onto the door cylinder from the inside - no drilling, no wiring.

The door lock is mounted on the inside of the door by attaching it to the cylinder with two screws.

The battery usually lasts more than 1 year. The device emits a warning sound when the battery needs to be replaced.

Welcome home: Comfort and security with HomeTec

- Open doors more comfortably
- Forget looking for your keys
- Forgot your keys? No problem - you always have the code with you (wireless keypad required)
- Personal access control system in combination with the wireless keypad
- Highest security due to rolling code system with more than 17 trillion possibilities
- Easy to install
- Easy to use

Wireless technology has simplified the daily life in multiple areas. Now this convenience is also available for your home: Pressing a button, your front door opens automatically! This is most helpful when you carry heavy items or the weather is bad. Yet you do not need to compromise highest security. The rolling code ensures that only selected persons have free access.

Forgot your keys? No problem - with the wireless keypad you do not need keys anymore. Open your door simply by entering a code that you have always with you. At the same time, you have a professional access control system with analysis functionality and many features.

HomeTec

	HomeTec Basic Set
Article number	**HT1000W/B/S/G**
Display	Segment display
Wireless frequency	868.35 MHz
Range	Up to 100 meters (unobstructed)
Power supply	4.5 V
Battery type	Mignon (AA) alkaline
Battery lifetime	Ca. 1 year (8 locking actions per day)
Housing material	ABS
Operating temperature	from 0° C to +40° C
Dimensions (W x H x D):	62 x 120 x 57 mm
Scope of delivery	HomeTec Wireless Door Lock, 3 LR06/AA batteries, HomeTec remote control, button cell battery included

- Converts any lock into a wireless lock
- Open and close the doorlock via remote control
- Rolling code with over 17 Trillion possibilities
- Battery operated

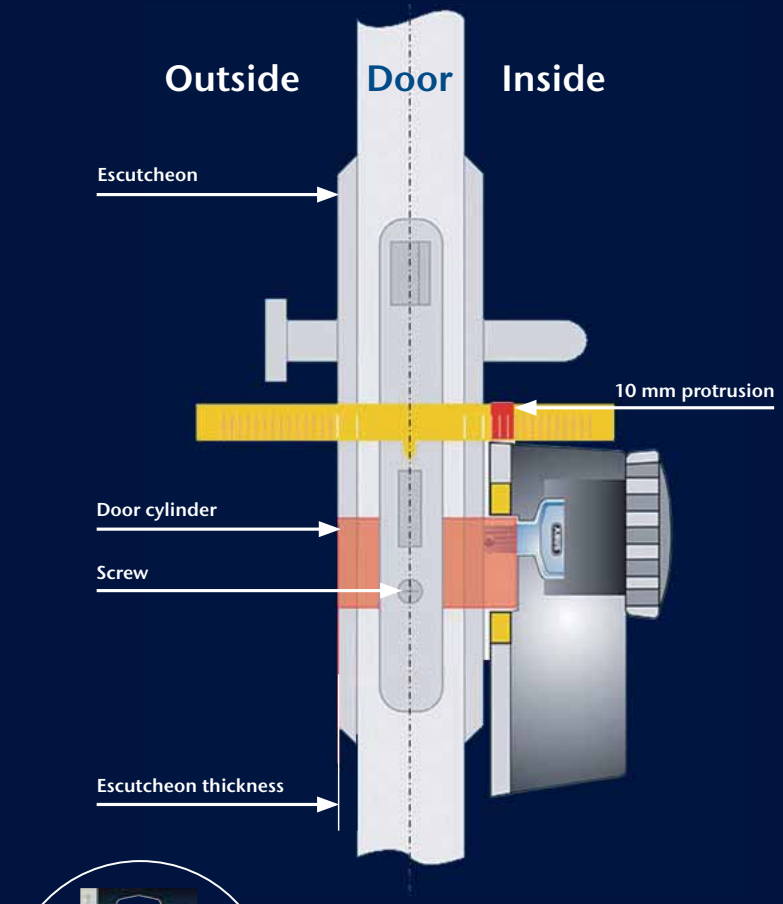
Colour	white	brown	silver	gold
Article number	**HT1000W**	**HT1000B**	**HT1000S**	**HT1000G**

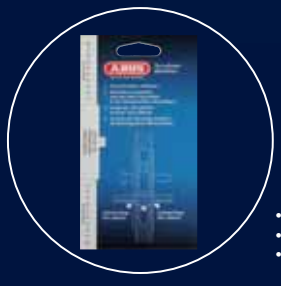
	HomeTec Wireless Control Unit
Article number	**HT1100W/S**
Display	Segment display, 3 lines
Wireless frequency	868.35 MHz
Range	Up to 100 meters (unobstructed)
Power supply	8-12 V AC or 8-12 V DC
Battery type	4 AA (Mignon)
Battery lifetime	ca. 3 years
Protection class	IP54
Mounting location	Indoors and outdoors
Housing material	ABS
Operating temperature	from -20° C to +50° C
Dimensions (W x H x D):	78 x 138 x 53 mm
Scope of delivery	Wireless keypad, AA batteries

- Conveniently open the door via entering a code
- Wireless keypad for mounting near the entrance
- Up to 20 users can be added
- Access times can be set
- Includes doorbell function
- Integrated log file

Colour	white	silver
Article number	**HT1100W**	**HT1100S**

HomeTec





- Insert gage into the lock as if it were a cylinder
- Determine the inside and outside dimensions with the gage
- Simply order the free measuring gage (ME2750) from ABUS Security-Center

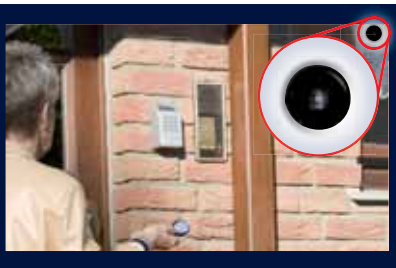
How to fit your cylinder

- Easy installation
- Easily determine the correct cylinder length
- Attention: Only use a cylinder with emergency and danger function

The wireless door lock is mounted directly on the lock cylinder and moves it via the inserted key. Thus, the lock cylinder must stick out by ca. 10 mm over the inside escutcheon. If this is not the case for your current cylinder, you need a new lock cylinder (see Profile Cylinder with emergency and danger function, ME2700-ME2703). This is how you determine the correct length: Measure the outside dimension and the inside dimension and add about 10 mm to the inside dimension. This also needs to be done for already installed escutcheons and rosettes.

Using the wireless remote control you can open and close your doorlock with the push of a button. In addition to the open/close buttons, it also has a comfort button. This does not only unlock the door, but also pushes it open a little. Very useful when you are carrying something.

The HomeTec bell combined with the HomeTec wireless keypad replaces the door chime. The wireless bell is easy and quick to install, without any wiring. It has a range of up to 100 meters without obstructions. It is triggered with a push of a button on the HomeTec wireless keypad.



This LED is attached at the outside of the door or inside on the window glass. This way, you can always see the system status at a glance. For example, short flashing signals “wireless command received”, while regular blinking indicates that the door lock is running.

	HomeTec Wireless Remote Control	Profile Cylinder with emergency and danger function
Article number	**HT1200**	**ME2700, ME2701, ME2703**
Product features	• Open and close your doorlock via remote control • Simply attach to your key ring • Up to 9 remote controls applicable • Range: Up to 100 meters (unobstructed) • Wireless frequency: 868.35 MHz • Dimensions (W x H x D): 40 x 50 x 9 mm • Housing material: ABS	• Emergency and danger function • Effective protection against picking and manipulation • Paracentric key profile • Wear-free materials • Euro-profile cylinder • Long lifespan
Scope of delivery	Wireless remote control, button cell battery	Profile cylinder, 3 keys

		30/40	30/45	35/50
Article number	**HT1200**	**ME2700**	**ME2701**	**ME2703**

	HomeTec LED	Wireless Door Bell
Article number	**HT1300**	**HT1400**
Product features	• Indicates sending confirmation and locking action • Shows the state of the entire system at a glance • Connected to wireless door lock • Housing material: ABS • Dimensions (H x D): 5 x 15 mm • Weight: 3 g	• Wireless Door Bell • Only for use in combination with the HomeTec wireless keypad • Battery-powered • Simple installation • Wireless frequency: 868.35 MHz • Range: Up to 100 meters (unobstructed) • Dimensions (W x H x D): 136 x 142 x 48 mm
Scope of delivery	LED, 30 cm cable	Wireless Bell, Battery (2 baby/C/LR14)
Article number	**HT1300**	**HT1400**

Notes

Security can be that beautyful.

ABUS
Security Tech Germany

Secvest 2WAY wireless alarm system

VdS Home

Secvest 2WAY – now with VdS Home certification.
Take advantage of proven security technology and enjoy the good feeling of having chosen the right product.

ABUS Secvest 2WAY wireless alarm system
from page 100 and at www.abus-secvest.com

A pair that nobody will get past

Secvest 2WAY alarm control unit and FTS 96 E wireless window lock

There is a break-in almost every minute in Germany. The intruders usually access the property via unsecured windows or patio doors which can often be forced open in less than ten seconds. The most effective protection is a mechanical window lock and electronic alarm system in a single system. The FTS 96 E presents would-be intruders with over a tonne of resistance. At the same time, the alarm control unit reports the attempted break-in. An unbeatable combination.

Find out more from page 100 and at www.abus-secvest.com

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